Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

JULY BUILDING RETURNS

The steady gain recorded in the building industry in the Eastern States continued during July. The total operations in 11 cities were practically the same as in the corresponding month last year. For the first seven months there was a gain of about 4%. From now on the results will be more favorable.

In the Central States there was a decrease of slightly more than 10% in the 18 cities. This was due to the sharp drop in Chicago, where there have been labor troubles. A falling off of $1,000,000 in Houston was the cause of a decrease from $6,028,000 last year to $4,925,000 this year.

In the Western States there was a sharp falling off in the Northwest due to the stagnation in the lumber industry. In the following table is given the estimated cost of contemplated buildings from plans filed with the various building inspectors:

EASTERN STATES

	Month of July		First Seven Months of Year	
	1915	1914	1915	1914
Baltimore, Md.	$2,099,989	$1,577,601		
Boston, Mass.	804,841	298,500	$14,872,145	$12,895,350
Bridgeport, Conn.	1,061,290	313,945	5,271,662	2,486,083
Buffalo, N. Y.	1,494,000	985,000	7,091,000	7,549,006
Hartford, Conn.	441,767	311,985	3,205,694	2,685,356
Hoboken, N. J.	48,078	166,100	544,398	728,002
Jersey City, N. J.	345,913	460,592	3,146,649	2,417,845
Newark, N. J.	584,703	1,172,043	5,225,669	5,244,280
New York, N. Y.				
Bronx	1,874,000	2,123,465	17,771,500	16,076,068
Brooklyn	3,682,765	3,314,700	15,950,010	25,918,850
Manhattan	4,093,080	4,605,305	43,731,800	30,882,090
Queens	2,438,065	2,339,662	12,453,611	13,139,829
Philadelphia, Penn.	3,659,940	4,661,850	22,726,330	25,767,570
Rochester, N. Y.	762,123	1,067,101	5,519,791	6,095,625
Total	$23,390,554	$23,397,849	$157,510,259	$151,888,954

CENTRAL STATES

	Month of July		First Seven Months of Year	
	1915	1914	1915	1914
Akron, Ohio	$1,133,395	$382,015	$2,650,085	$2,355,085
Chicago, Ill.	6,455,630	9,148,760	46,728,680	54,007,960
Cincinnati, Ohio	1,056,625	1,055,230	6,724,289	6,044,000
Cleveland, Ohio	2,319,280	2,532,050	20,546,159	17,221,415
Columbus, Ohio	504,095	503,351	3,053,955	3,724,206
Des Moines, Iowa	181,405	140,690	1,074,520	1,158,364
Duluth, Minn.	201,422	266,259	1,571,910	1,946,841
Evansville, Ind.	34,080	128,645	858,459	946,814
Indianapolis, Ind.	598,078	1,140,000	3,858,824	6,096,405
Kansas City, Kan.	77,177	188,005	617,968	779,125
Kansas City, Mo.	418,060	1,012,055	6,334,495	8,012,930
Milwaukee, Wis.	916,625	887,889	5,673,485	6,398,666
Minneapolis, Minn.	1,474,256	1,326,095	9,200,151	11,099,690
Omaha, Neb.	556,780	402,605	3,211,210	3,269,298
Peoria, Ill.	178,500	193,100	.....	.....
St. Louis, Mo.	615,148	1,287,859	7,069,851	9,105,911
St. Paul, Minn.	770,018	1,053,100	6,398,570	8,971,788
Toledo, Ohio	534,012	569,579	4,564,216	4,413,217
Total	$19,024,586	$22,217,287	$127,136,827	$145,551,711

SOUTHERN STATES

	Month of July		First Seven Months of Year	
	1915	1914	1915	1914
Atlanta, Ga.	$613,146	$495,902	$2,744,837	$3,495,699
Birmingham, Ala.	223,987	468,385	.....	.....
Dallas, Tex.	656,124	941,580	2,180,639	4,425,143
Houston, Tex.	149,343	1,054,911	988,005	2,878,397
Louisville, Ky.	548,740	482,390	2,336,835	3,040,245
Memphis, Tenn.	245,285	333,006	1,746,778	2,347,888
New Orleans, La.	513,510	505,392	1,869,200	1,933,382
Richmond, Va.	328,667	461,949	2,063,329	2,561,770
Tampa, Fla.	222,590	92,545	.....	.....
Washington, D. C.	1,424,207	1,192,883	6,664,366	6,820,702
Total	$4,925,599	$6,028,943	$18,593,989	$27,503,226

WESTERN STATES

	Month of July		First Seven Months of Year	
	1915	1914	1915	1914
Oakland, Calif.	$410,322	$430,665	$2,793,070	$2,869,170
Portland, Ore.	373,375	870,745	3,013,135	5,051,655
Salt Lake City, Utah	174,550	238,750	1,269,891	1,635,064
San Francisco, Calif.	1,500,206	2,068,537	8,066,473	22,746,212
San Diego, Calif.	57,790	579,558	714,177	2,366,238
Seattle, Wash.	231,095	2,520,590	3,505,205	8,404,445
Spokane, Wash.	66,263	229,635	771,134	775,297
Tacoma, Wash.	31,161	884,649	494,675	1,572,747
Total	$2,804,762	$7,823,129	$20,627,760	$45,420,828

RAILWAYS—STEAM AND ELECTRIC

Massachusetts—Bay State St. Ry. Co.—According to press reports this company will soon start work on the extension of its lines in Methuen. R. S. Goff, Boston, is Vice-Pres. and Gen. Mgr. Noted May 6.

Connecticut—Connecticut Co.—The Public Utilities Commission of Connecticut has granted this company permission to extend its lines in New Britain from Main to Myrtle St., Grove, Broad, Washington St. and Farmington and Commonwealth Ave., about 7200 ft. F. L. Beardsley, New Britain, is Supt. Noted July 8.

New Jersey—Pennsylvania R.R.—The Board of Public Utility Commissioners has approved a bond issue of $65,000,000 of the Pennsylvania R.R., to be used for the improvement of the company's lines and system in New Jersey. A. C. Shand, Philadelphia, is Ch. Engr.

Maryland—Baltimore & Ohio R.R. Co.—According to press reports this company plans to construct a railroad from Hagerstown to Security, to the plant of the Security Cement & Lime Co. The estimated cost is $100,000. F. L. Stuart, Baltimore, is Ch. Engr.

Maryland—United Ry. & Electric Co.—This company will extend its double track line on Columbus Ave., Gwynn's Falls, (Baltimore), the present terminus, to Lansdowne, Md., a distance of 2100 ft. Mason D. Pratt, Baltimore, is Ch. Engr.

✚**West Virginia**—Western Maryland R.R.—This company has awarded the contract for the construction of the Helen's Run extension to O. L. ANDERSON & BROS., INC., Altoona, Penn., at $400,000. H. R. Pratt, Baltimore, is Ch. Engr.

North Carolina—Virginia-Carolina Ry.—Plans are being considered by this company for the extension of its line from Todd to Boone, N. C., about 16 miles. G. D. Johnson, Abingdon, Va., is Pres. and Gen. Mgr.

North Carolina—Southern Ry.—Seaboard Air Line Ry.—Press reports state that these companies plan to extend their lines to Rutherfordton, N. C. W. D. Faucette, Norfolk, Va., is Ch. Engr., Seaboard Air Line Ry., and B. Herman, Washington, D. C., is Ch. Engr., Southern Ry.

North Carolina—Statesville Air Line R.R.—Bonds for $1,250,000 will be sold. The proceeds will be used to complete the line from Statesville to Mt. Airy. D. M. Ausley is Treas. and Gen. Mgr.

South Carolina—Columbia, Newberry & Laurens R.R.—This company plans to construct a line from Newberry southward via Saluda and Edgefield, S. C., to Augusta, Ga., a distance of 65 miles. J. F. Livingston, Columbia, is Pres.

South Carolina—Carolina, Atlantic & Western Ry.—This company will, according to press reports, start work about Sept. 1 on the construction of its proposed extension from Charleston, S. C., to Savannah, Ga., about 85 miles. William Moncure, Raleigh, N. C., is Ch. Engr. Noted Feb. 4 and June 17.

South Carolina—Atlantic Coast Line R.R.—Plans are being considered by this company for the construction of a railway from St. Stephens to Yemassee via Ridgeville and Walterboro, S. C., about 75 miles. E. P. Pleasants, Wilmington, N. C., is Ch. Engr.

Florida—A franchise has been granted to E. W. Parker, Tampa, for the construction of an electric railway in Clearwater, Fla. Noted Aug. 5.

Mississippi—Jackson & Eastern Ry.—This company has been incorporated to construct a steam or electric railway from Jackson, Miss., to Union, Miss. S. A. Neville, R. W. Harriss and C. J. Currie, Meridian, Miss., are interested.

Tennessee—Chattanooga Traction Co.—This company plans to extend its lines from Chattanooga to Hixson. W. T. Jones, Chattanooga, is Vice-Pres. and Gen. Mgr. Noted Jan. 23.

Ohio—Cincinnati, Lawrenceburg & Aurora Electric St. R.R. Co.—This company plans to construct an electric railway from Anderson's Ferry, (Cincinnati) the present terminus, through the business section of Cincinnati. C. E. Hoover, Cincinnati, is Treas. and Gen. Mgr.

Ohio—Cleveland Ry.—This company will extend its line on East 79th St. from Kensman Rd. to Broadway Ave., Cleveland. George L. Radcliffe, Cleveland, is Gen. Mgr.

Ohio—Dayton & St. Mary's Traction Co.—This company has been incorporated to construct an electric railway from Dayton to St. Marys, Ohio. Dennis Dwyer, Dayton, Julius Boesel, Thomas J. Brennan and C. V. Ruenke are interested. Noted July 15.

Michigan—The Council has been petitioned for a franchise to construct an electric railway from Mt. Clemons to Armada. A. Jacobson, Detroit, is interested.

Illinois—Kankakee & Urbana Traction Co.—Plans are being considered by this company for the extension of its line from Ludlow to Paxton, Ill. William J. Laffell, Urbana, is Gen. Mgr. and Pur. Agt.

South Dakota—Electric Short Line Ry. Co.—This company plans to construct about 45 miles of new line at an estimated cost of $440,000. De Koven Hunter, Minneapolis, is Gen. Mgr.

Missouri—Chicago, Burlington & Quincy R.R.—A franchise has been granted this company to extend its lines along First, Deer and Elk St., St. Joseph, and along Florence Rd. and the intervening alleys. W. L. Breckenridge, Chicago, Ill., is Ch. Engr.

Arkansas—According to press reports work will soon be started on the construction of an electric railway from Columbus to Washington, Ark., about seven miles. Rufus S. Stout, Pine Bluff, is interested. Noted May 6.

Texas—Northern Texas Traction Co.—The City Commission has authorized this company to extend its electric railway on Fairmont Ave. and Willing St., Ft. Worth, Tex. George H. Clifford, Ft. Worth, is Vice-Pres. and Gen. Mgr.

Texas—Preliminary arrangements are being made and contracts will soon be awarded for the construction of the proposed railway from Rockport to Seymour, Tex., about 350 miles. Edward Cowper-Thwaite, London, Eng., is interested.

Oklahoma—La Kemp & Northwestern Ry. Co.—This company has been incorporated to construct an electric railway from Gage northwest to Ivanhoe, about 25 miles. The incorporators are I. K. Edwards, George C. Warlick, J. W. Steffen, W. B. Lehman and E. W. Lehman all of La Kemp.

Oklahoma—Tulsa—Sand Springs Interurban Ry. Co.—This company plans to extend its line to the coal mines, about eight miles. W. B. Craig, Tulsa, is Gen. Mgr.

Utah—A petition has been presented to the Council by Harry S. Joseph asking for a franchise to construct an electric railway in Bingham Canyon to connect with the Salt Lake & Utah R.R.

✚**Arizona**—Tucson, Cornelia & Gila Bend R.R.—This company has awarded the contract to J. H. MAXEY, Yuma, Ariz., for all culvert and trestle work and general construction on its railway from Gila Bend to a point near Ajo, about 38 miles. Noted June 3.

Washington—C. J. Erickson, Downs Block, Seattle, plans the construction of a standard gage railroad from his mills at MacDonald Creek, near Sequim, Wash., into timber holdings, a distance of eight miles.

✚**Oregon**—Oregon-Washington R.R. & Navigation Co.—This company has awarded the contract for the construction of an extension to its line from Riverside to Crane Creek Gap, Ore., about 30 miles, to TWOHY BROS., Portland. Estimated cost, $1,500,000. J. R. Holman, Portland, Ore., is Ch. Engr. Noted July 1.

Oregon—The Du Bois Lumber Co. will, according to press reports, construct a railway from Astoria, Ore., to its timber lands in Clatsop and Tillamook Counties.

✚**Oregon**—Roseburg & Eastern Ry. Co.—This company has awarded the contract for the construction of a railway from Roseburg to the boundary of the Cascade National Forest, about 30 miles, to KENDALL BROS., Pittsburgh, Penn.

✚**New Brunswick**—Canadian Government Ry.—This company has awarded a contract to the JOHN W. McMANUS CO., LTD., Memramcook, N. B., for the construction of a spur line of railway from the Intercolonial Ry. to Bathurst, N. B.

Manitoba—Plans are being prepared for the construction of a gasoline-operated street car line from Winnipeg to Transcona, about ten miles. H. W. Adcock, Winnipeg, is interested. Noted July 1.

LIGHT, HEAT AND POWER

North Gorham, Maine—The Cumberland County Power & Light Co., Portland, plans to construct a new dam, about 300 ft. long, across the Presumpscot River. The estimated cost is $40,000. The dam will develop about 2700 hp. A. H. Ford, Portland, is Gen. Mgr.

Milton, N. H.—It is reported that a company to be known as the Milton Electric Co. is now being organized. The old Worster Mill site has been secured for the location of the power house. The city is said to have entered into a contract for street-lighting. J. B. Giguere is interested.

Brockton, Mass.—Local citizens have filed a petition with the Board of Aldermen asking for the appointment of a commission to investigate the feasibility and probable cost of the establishment of a municipal electric-light plant.

Holyoke, Mass.—The Board of Public Works has voted the sum of $10,000 for the construction of a boiler house for the new isolation hospital now in course of construction. W. J. Howes is Arch.

Medfield, Mass.—(Official)—Bids will be received until noon, Aug. 19, by the State Board of Insanity, Room 36, State House, Boston, for heating, plumbing and electrical work in a new dispensary building at the State Asylum. James H. Ritchie, 8 Beacon St., Boston, is Arch. Michael J. O'Meara, M. D., is Chn. Bd. of Insanity.

Westfield, Mass.—At a recent town meeting, the sum of $25,000 was appropriated for extensions and improvements to the municipal gas and electric plant.

✚**Hartford, Conn.**—The Hartford Electric Light Co. has awarded the contract for the construction of an addition to its power station at Dutch Point to the STONE & WEBSTER ENGINEERING CORPORATION, Boston, at about $35,000. The building will be 28x44 ft., three stories.

Lestershire, N. Y.—Endicott, Johnson & Co., manufacturer of boots and shoes, plans to double the output of its main power plant in Lestershire, including the installation of a 2000-kw. steam turbine.

Oswego, N. Y.—The city has appointed a committee to engage an engineer to prepare plans and supervise the development of a waterpower on the Oswego River at High Dam on a site belonging to the City of Oswego.

Bloomfield, N. J.—Press reports state that the Westinghouse Lamp Co. contemplates the construction of an addition to its power house in the Watsessing section.

Kinston, N. C.—It is reported that the City Council contemplates improving the municipal electric-light plant at an estimated cost of $40,000. J. E. Weyher is Mgr. and Supt.

Springfield, Tenn.—The city has sold bonds amounting to $15,000, the proceeds of which will be used for building an addition to the municipal power plant. G. B. Shawver is Supt.

Dawsonsprings, Ky.—It is reported that a company is being organized for the purpose of establishing an electric-light and power plant. It will be known as the Dawson Light & Power Co. Brent Hart is interested.

Dayton, Ohio—It is reported that the Board of Commissioners of Montgomery County has adopted a resolution providing for the construction of a new power house and the installation of new boilers at the Montgomery County Children's Home. The estimated cost of the improvements is $10,000.

Delaware, Ohio—(Official)—Bids will be received until noon, Aug. 26, by W. V. Aldrich, Audr. of Delaware County, for installing a heating plant under the county jail, conducting the same to the courthouse, and furnishing and installing the proper radiation.

Spencerville, Ohio—(Official)—Bids will be received until noon, Aug. 20, by the Village Board of Public Affairs for the construction of an addition to the power station, and for furnishing steam and electrical equipment for the same. Charles S Fryer is Clk. of Bd. The Rae-Woulfe Engineering Co., Engineers' Bldg., Cleveland, is Engr.

Corunna, Mich.—It is reported that the Corunna plant of the Consumers' Power Co., Owosso, was recently destroyed by fire at a loss of about $15,000. C. W. Tippy, Jackson, is Gen. Mgr. of the Consumers' Power Co.

Wyandotte, Mich.—The City Commission has approved of an estimated expenditure of $29,625 for proposed improvements to the municipal electric-light plant. A. S. McClenehan is Supt. of the plant.

Rockford, Ill.—The City Council has instructed Ross P. Beckstrom, Supt. of Water-Works, to investigate and report on the cost of installing a municipal electric-light plant, which will also supply power for the operation of the city pumping station.

Upper Alton, Ill.—Bids will be received until 3 p.m., Aug. 23, by Frank D. Whipp, Fiscal Supvr., Springfield, for the construction of a power house at the Alton State Hospital.

Hardwick, Minn.—Bids will be received until Aug. 17 by the Village Recorder for the construction of an electric transmission line and distribution system for the Village of Hardwick. Earle D. Jackson, Capitol Bank Bldg., St. Paul, is Consult. Engr.

Minneapolis, Minn.—Bids will be received until Aug. 20 by G. A. Sandberg, Pur. Officer of the University of Minnesota, Minneapolis, for the installation of two 350-hp. return water-tube boilers complete with stokers.

Wheaton, Minn.—Bids will be received until Aug. 16 by the Board of Education, Wheaton, for plumbing, heating, ventilating and electric wiring of a gymnasium and manual training building. E. F. Broomhall, 710 Alworth Bldg., Duluth, is Arch.

✚**Larned, Kan.**—The City Council has awarded contracts for the construction of an electric-light plant and pumping station as follows: Construction of building to McCOY & TAYLOR, Ft. Scott, Kan., at $12,120; for motor pumps at $4115, and engines, generators, boilers and conduits at $22,055 to the MERKLE-HINES MACHINERY CO., Scarritt Bldg., Kansas City, Mo.; poles, to LARSON BROS., Larned, at $4318; switchboard and electrical equipment to McCOY & TAYLOR at $7496; hardware and transformers to the UNITED ELECTRIC CO., 120 West 13th St., Kansas City, Mo., at $15,808; chimney stack to the HEINICKE CHIMNEY CO., 147 Fourth Ave., New York, N. Y. Noted July 15.

Franklin, Neb.—At a recent election the citizens voted in favor of issuing $7000 in bonds for the purpose of installing an electric-light plant.

Glasgow, Mont.—A special election will be held Oct. 4 to vote on the question of issuing $18,000 in bonds, the proceeds of which will be used for extending the present electric-lighting system. H. D. Palmer is City Clk.

San Angelo, Tex.—It is reported that the San Angelo Water, Light & Power Co. will soon advertise for bids for power plant equipment to cost about $50,000. W. A. Guthrie is Vice-Pres., Mgr. and Cont. Agt.

Albion, Idaho—A special election will be held Aug. 23 to vote for a bond issue of $8000, the proceeds of which will be used for the installation of a municipal electric-light plant.

Redding, Calif.—The plant of the Redding Electric Light & Power Co., a subsidiary of the Northern California Power Co., San Francisco, was destroyed by fire recently. Loss, $8000.

Sherbrooke, Que.—The City Council has decided to build a municipal gas plant to cost about $70,000. Thomas Tremblay is Engr.

Athens, Ont.—The City Council has instructed A. M. Lee to have plans prepared for the installation of a new electric-light and power plant. The estimated cost is $25,000.

Madoc, Ont.—It is reported that the Madoc Mining Co. will soon begin the construction of a brick and concrete power house at Goudreau, Ont. The estimated cost is $75,000.

Palmerston, Ont.—The City Council has instructed H. Hyndman to prepare plans and ask for bids for a new hydro-electric plant and distribution system. The estimated cost is $30,000.

BRIDGES

✚**Concord, N. H.**—The State Highway Commission has awarded the contract for the construction of the Mosquito Bridge over Winnisquam Lake between the towns of Tilton and Belmont to the UNITED CONSTRUCTION CO., Albany, N. Y., at $46,266. F. E. Everett is Acting Comr. Noted July 15 under Winnisquam, N. H.

✚**Montpelier, Vt.**—(Official)—The City Council has awarded the contract for the construction of a steel girder bridge with concrete floor at State St. to JAMES E. CASHMAN, Burlington, at $16,805. Five other bids were received. George A. Reed is City Engr. Noted July 29.

✚**Boston, Mass.**—The Public Works Department has awarded the contract for cleaning and painting the Cambridge Bridge over the Charles River between Boston and Cambridge, to the CONNERS BROS. CO., at $6200. Other bidders were: Albert D. Howlett Co., $9000; Maurice M. Devine, $11,465; Martin A. Feeley, $12,450; George T. Rendle Co., $14,099; D. Dugan & Son, $16,280; W. L. Waples Co., $16,800.

★**Greenwich, N. Y.**—(Official)—Bids will be received until 1 p.m., Aug. 20, by the Towns of Greenwich and Easton, at the office of N. S. Langdon, Greenwich, Washington County, for the construction of three concrete-steel arches over the Battenkill River at Greenwich Village, Middle Falls and at Clarks Mills. The Concrete-Steel Engineering Co., Park Row Bldg., New York, is Engr.-in-Charge. R. S. Skinner is Town Supt. of Greenwich. Jacob Pratt is Town Supt. of Easton.

★✚**Oswego, N. Y.**—(Official)—The County Superintendent of Highways has awarded the contract for the construction of a concrete-steel bridge across the Oswego River at Minetto to LARKIN & SANGSTER, Seneca Falls, at $65,000. Other bidders were: Oswego Construction Co., $92,000; Woolsey Construction Co., $78,000. Noted July 22.

✚**Far Hills, N. J.**—The Board of Chosen Freeholders of Somerset County, Somerville, has awarded the contract for the construction of a concrete bridge over the Raritan River at Far Hills to the J. L. LACOMPT CO., Lakewood, at $10,876. The second lowest bid was that of Hickey & Houghton Co., Raritan, at $11,044.

Raven Rock, N. J.—The Board of Chosen Freeholders of Hunterdon County, Flemington, has decided to replace the covered bridge over Hoffman's Creek at Raven Rock with a new structure. It will be about 100 ft. long with a 20-ft. concrete roadway.

Lebanon, Penn.—Bids will be received until 5 p.m., Aug. 20, by D. M. Sharp, City Clk., for the construction of three reinforced-concrete or steel bridges. T. R. Crowell is City Engr.

★**Media, Penn.**—(Official)—The Commissioners of Delaware County rejected all bids received Aug. 2 for the construction of a bridge over Muckinapatus Creek at Glenolden Ave., Glenolden Borough, Darby Township. The work will be readvertised. Noted July 29.

★**Philadelphia, Penn.**—(Official)—Bids for the construction of four bridges were received by the Department of Public Works on Aug. 2 and 4, as follows: Bridge at Cambria and A St., James D. Dorney, $54,686; T. F. Reilly, $61,700; Carl R. Camp, $51,349; C. P. Bower, $55,500; F. J. Boas, $58,862; M. & J. B. McHugh, $60,300; Peoples Bros., Inc., $56,000; American Paving & Construction Co., $67,500; Richard Walsh & Sons, Inc., $52,675. Holme Ave. Bridge, McNichol Paving & Construction Co., $67,857; J. E. Brenneman, $75,994; Peoples Bros., Inc., $79, 242; Richard Walsh & Sons, Inc., $108,340; Philadelphia Paving Co., $111,421; Day & Zimmermann, $128,214. Whitby Ave. Bridge, F. J. Boas, $34,731; Richard Walsh & Sons, Inc., $41,925; Thomas F. Reilly, $38,815; Monaghan & Losse, $40,569; Carl R. Camp, $35,982. Front St. Bridge, Philadelphia Paving Co., $11,792; Frank Mark Contracting Co., $12,515; Daniel J. Lynch, $12,704; Day & Zimmermann, $19,223; Richard Walsh & Sons, Inc., $12,900; Monaghan & Losse, $19,740; F. J. Boas, $14,587; William A. Mundy, $15,757. M. L. Cooke is Dir. of Pub. Wks. Noted July 29.

Pittsburgh, Penn.—(Official)—Bids will be received until noon, Aug. 20, by Hyatt M. Cribbs, Controller of Allegheny County, for repairs to trestle approach, steel, street car rails and floor of Bridge No. 6 over the Youghiogheny River. J. G. Chalfant is County Engr.

✚**Sunbury, Penn.**—The Commissioners of Northumberland County have awarded the contract for the construction of a bridge over Mahanoy Creek in East Cameron Township to WHITTAKER & DIEHL, Harrisburg, at $4629.

Uniontown, Penn.—Bids will be received until Aug. 26 by Harry Kisinger, Controller of Fayette County, for constructing abutments and wing walls and repairing several bridges.

Isle of Wight, Va.—It is reported that the Commissioners of Isle of Wight County contemplate the construction of seven new bridges at an estimated cost of $75,000.

Leesburg, Va.—(Official)—The State Highway Commission, Richmond, has awarded the contract for the construction of two bridges in Loudoun County to the LUTEN BRIDGE CO., York, Penn., at $3600 for the two. W. D. Hempstone is Clk. of the Loudoun County Court. Noted July 29.

Stuart, Va.—(Official)—Bids will be received until noon, Aug. 20, by the Clerk of the Circuit Court of Patrick County for the construction of a 90-ft. bridge across the Dan River. G. P. Coleman, Richmond, is State Highway Comr.

★**Wilson, N. C.**—(Official)—Bids will be received until 3 p.m., Aug. 28, by Lawrence Brett, Engr., Bd. of Drainage Comrs., Mattamuskeet Drainage District, for the construction of a single-leaf plate girder Scherzer rolling lift bridge.

St. Francisville, La.—The Police Juries of East and West Feliciana Parishes have appropriated the sum of $24,000 for the construction of a bridge across Thompson Creek on the line between the two parishes.

✚**Calvin, Ky.**—The Fiscal Court of Bell County, Pineville, has awarded a contract for the construction of a bridge across the Cumberland River at Calvin to the VINCENNES BRIDGE CO., Vincennes, Ind., at $7060. The contract for the substructure was awarded to MARTIN GREEN, ROBERT VANBEVER and EDWARD PURSIFULL, all of Pineville, at $2541.

Elizabethtown, Ky.—The Bridge Commission, appointed by the Fiscal Courts of Bullitt County, Shepherdsville and Hardin County, Elizabethtown, has decided to build the new intercounty bridge over the Rolling Fork River at Wooldridge's Ferry. The estimated cost of the bridge is $16,000, of which Hardin County will pay 60%, and Bullitt County the remainder.

Akron, Ohio—Bids will be received until 11 a.m., Aug. 27, by C. L. Bower, Clk. of Summit County, for building approaches and paving the Louis Young Bridge over the Ohio Canal, Manchester Rd., Coventry Township.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Sept. 3, by the Board of Commissioners of Hamilton County for rebuilding a culvert in the Cleves Rd. from Miami Ave., Cleves, to the Blue Rock Pike in Colerain Township. Albert Reinhardt is Clk. of Comrs.

Cleveland, Ohio—Bids will be received until noon, Aug. 18, by the Commissioner of Purchases and Supplies, 511 City Hall, for the construction of two concrete box culverts in the Woodland Hills-Garfield division of East Blvd., south of Kinsman Rd.

✚**Cleveland, Ohio**—The contract for placing a floor on the new Clark Ave. Bridge has been awarded by the Board of Control to EDWARD A. WEILAND, 376 Rockefeller Bldg., Cleveland, at $78,682.

✚**Columbus, Ohio**—The Board of Commissioners of Franklin County has awarded the following contracts for bridge work: Construction of the Eberly Rd. Bridge over Alum Creek, substructure to the FRITZ-RUMER-COOKE-GRANT CO., Columbus, at $9092, superstructure to the CASE-CRANE ENGINEERING CO., at $9271; approaches to the Schrock Bridge to PURDUM & SCHWARTZ at $15,014. Noted July 15.

Delaware, Ohio—(Official)—Bids will be received until noon, Aug. 30, by W. V. Aldrich, Audr. of Delaware County, for the construction of the substructure and superstructure of the Winter St. Bridge.

Hamilton, Ohio—On Aug. 2 the Common Pleas Court permanently enjoined the Commissioners of Butler County from awarding a contract to the A. J. Yawger Co., Indianapolis, Ind., for the construction of the Columbia Bridge at Wood St. The contract price was $96,000. The injunction was made on the grounds that the substructure and superstructure were not divided in the bid, that the specifications permitted a modification of the contract after being signed, and because the bid for the substructure exceeded the estimate. New bids will be asked for this bridge. W. W. Crawford is County Audr. Noted May 20 and July 8.

Hillsboro, Ohio—(Official)—Bids will be received until 11:30 p.m., Sept. 6, by the Board of Commissioners of Highland County for the construction of a steel bridge over Rocky Fork Creek near the County Infirmary. B. O. Pratt is County Surv.

Marion, Ohio—(Official)—Bids will be received until noon, Aug. 18, by the Board of Commissioners of Marion County for reflooring county Bridges Nos. 17, 22 and 23 with creosoted wood block. V. Perle Garfield is Clk. of Comrs.

New Philadelphia, Ohio—Bids will be received until Sept. 1 by the Board of Commissioners of Tuscarawas County for repairing the stone substructure and constructing a new steel superstructure with a 20-ft. roadway, of a bridge over Sugar Creek Falls, Franklin Township. R. H. Nussdorfer is County Audr.

North Randall, Ohio—The Board of Commissioners of Cuyahoga County, Cleveland, has instructed the County Surveyor to prepare plans for the construction of a bridge over the tracks of the Erie R.R. near North Randall. The estimated cost is $40,000.

Ravenna, Ohio—Bids will be received until noon, Aug. 30, by the Board of Commissioners of Portage County for the construction of a 75-ft. steel bridge with concrete or wood block floor over the North Mahoning River in Charlestown Township.

✚**Crown Point, Ind.**—(Official)—The Commissioners of Lake County have awarded the contract for the construction of a Scherzer rolling lift bridge to the PHEE CONSTRUCTION CO., Chicago, Ill., at $76,000; the same company will build a temporary bridge at $3512. Noted July 22.

Washington, Ind.—It is reported that bids will be asked some time in September by the Commissioners of Daviess County for the construction of one 60-ft. steel bridge and four others ranging from 25 to 30 ft. in length. All will have reinforced-concrete abutments and floors. L. S. Core is County Audr. and W. J. Shanks is Surv.

✚**Paris, Ill.** — (Official) — The County Superintendent of Highways of Edgar County has awarded the contract for the construction of a reinforced-concrete bridge over Sugar Creek on the Chicago Rd. to ALAN JAY PARRISH, Paris, at $7600. Other bidders were: East St. Louis Bridge Co., East St. Louis, $8000; Chrisman Contracting Co., Chrisman, $7900; Zimmerly Bridge Co., Paris, $8295. Noted July 29.

Watseka, Ill.—(Official)—Bids will be received until 1:30 p.m., Aug. 18, by Benjamin Jordan, County Supt. of Highways of Iroquois County, for the construction of two reinforced-concrete bridges in Pigeon Grove Township. The estimated cost of the two bridges is $6575.

Orange City, Iowa—Bids will be received until 2 p.m., Sept. 6 (extension of date from Aug. 3), by the Auditor of Sioux County for the construction of a bridge over the Sioux River, on the state line two miles south of Hudson, S. D.

✚**Waukon, Iowa**—(Official)—The Board of Supervisors of Allamakee County has awarded the contract for the construction of reinforced-concrete bridges and culverts to ELT B. FOWLER, Lansing, Iowa, at about $14,000. Noted July 29.

✚**Webster City, Iowa**—The Board of Supervisors of Hamilton County has awarded contracts for bridge construction as follows: A. W. MERRICK, Boone, $11,423 for five bridges; CLINTON BRIDGE WORKS, Clinton, $6607 for three bridges; ALBERT SWANSON, Webster City, $6671 for three bridges. Noted July 8.

Mankato, Minn.—Bids will be received until 2 p.m., Aug. 18, by the Commissioners of Blue Earth County for the construction of a 120-ft. concrete arch in Shelby Township. C. L. Kennedy is County Audr.

Wadena, Minn.—Bids will be received until 2 p.m., Aug. 23, by Eugene Rose, Audr. of Wadena County, for the construction of State Bridge No. 1551 on the county road at Twin Lakes in the Town of Shell River.

Girard, Kan.—Bids will be received until noon, Aug. 18, by the Commissioners of Crawford County for the construction of ten steel or reinforced-concrete bridges. Charles C. Everett is County Clk. Noted July 8 and 22.

✚**Junction City, Kan.**—The contract for two new spans of the North Washington St. Bridge over the Republican River, to replace those washed out by the recent floods, was awarded to the LEAVENWORTH BRIDGE CO., Leavenworth, at about $6000. The spans will be of reinforced concrete.

★**Lawrence, Kan.**—(Official)—Bids will be received until noon, Oct. 6, by Herman Broecker, Clk. of Douglas County, for the construction of a reinforced-concrete bridge over the Kansas River at Lawrence. Hedrick & Cochran, Kansas City, Mo., is Consult. Engr.

Oskaloosa, Kan.—Bids will be received until noon, Aug. 19, by L. P. Sheldon, Clk. of Jefferson County, for the construction of 13 steel and reinforced-concrete bridges, and for the repair of various bridges.

Topeka, Kan.—The lowest bid received by the city for the construction of a reinforced-concrete bridge across Shunganunga Creek at Kansas Ave. and 20th St. was that of Arthur E. Allen, Topeka, at $15,468. Noted July 8.

Fremont, Neb.—Bids will be received until Aug. 24 by John O'Connor, Clk. of Dodge County, for the construction of county bridges during the ensuing year.

St. Paul, Neb.—(Official)—Bids will be received until noon, Sept. 3, by K. D. Bahensky, Clk. of Howard County, St. Paul, for the construction of a high truss steel bridge across the Loup River about two miles south of St. Paul. It will have five 145-ft. spans with a 16-ft. roadway.

Medora, N. D.—Bids will be received until Aug. 23 by the Auditor of Billings County for the construction of a steel bridge on concrete piers over the Little Missouri River at Medora. Noted Apr. 29 and May 13.

✚**Florence, Mont.**—(Official)—The Commissioners of Ravalli County, Hamilton, have awarded the contract for the construction of a bridge across the Bitter Root River to O. E. PEPPARD, Missoula, at $9700. Noted July 29.

Carrollton, Mo.—(Official)—The proposed special election in Carroll County, which was to have been called for the purpose of voting for a bond issue of $250,000 for building new bridges, has been indefinitely postponed. J. W. Hollister is County Clk. Noted July 8.

Greenville, Mo.—(Official)—Bids will be received until 2 p.m., Aug. 18, by A. W. Copeland, Highway Engr. of Wayne County, Greenville, for the construction of a steel bridge across Big Lake Creek on the Greenville-Patterson Rd. near Greenville.

✚**Louisiana, Mo.**—The contract for the construction of a reinforced-concrete bridge across Buffalo Creek has been awarded to the MISSOURI BRIDGE & IRON CO., St. Louis, at $5974. Seven other bids were received.

✚**Clinton, Ark.**—The contract for the construction of a steel bridge over the Little Red River has been awarded to the GREENBERG IRON CO., Terre Haute, Ind., at $9500.

Little Rock, Ark.—It is reported that the Chicago, Rock Island & Pacific Ry. is preparing to build a reinforced-concrete viaduct over its tracks on East Second St. It will be about 70 ft. long and 46 ft. wide. The estimated cost is $30,000. The work will be done under the supervision of Henry Levinson, City Engr.

Searcy, Ark.—Bids will be received until 1 p.m., Aug. 19, by J. A. Marsh, County Judge of White County, for the construction of a bridge across the Little Red River.

Canadian, Tex.—Bids will be received until Aug. 23 by the Commissioners Court of Hemphill County for the construction of a bridge over the Canadian River. The estimated cost is $74,000.

Houston, Tex.—(Official)—Bids will be received until 10 a.m., Aug. 16, by H. L. Washburn, Audr. of Harris County, for the construction of a bridge across Halls Bayou on the Houston and Aldine Rd.

✚**Antlers, Okla.**—(Official)—The Commissioners of Pushmataha County have awarded the contract for the construction of five bridges to the ILLINOIS STEEL BRIDGE CO., Jacksonville, Ill., at $44,940. Other bidders were: Vincennes Bridge Co., $47,728; Missouri Valley Bridge Co., $48,450; Missouri Bridge & Iron Works, $46,728; Canton Bridge Co., $45,115; Federal Bridge Co., $50,575. C. A. Heere is County Clk. Noted July 29.

Fairview, Okla.—The Board of Commissioners of Major County is reported to be contemplating the construction of about 40 new bridges. The estimated cost is $10,000. G. A. Newton is County Clk.

✚**Ft. Towson, Okla.**—A contract for the construction of a steel bridge with concrete piers and abutments, has been awarded to the PLUMMER-ADAMS CONSTRUCTION CO., Springfield, Mo., at $15,000.

Kingfisher, Okla.—Bids will be received until Aug. 16 by the Commissioners of Kingfisher County for the construction of 17 steel and concrete bridges. The estimated cost is $21,500. C. R. Steel is Engr. William G. Newer is County Clk. Noted June 3.

Gila Bend, Ariz.—See item under "Railways."—Arizona.

Aberdeen, Wash.—The City Council has engaged C. E. Fowler, Engr., Central Bldg., Seattle, to prepare plans for rebuilding the West Toll Bridge over the Chehalis River. It will be a 240-ft. span, and the estimated cost is $15,000.

✚**Seattle, Wash.**—The Board of Public Works has awarded contracts for the construction of two bridges over Lake Washington Canal as follows: Bridge at 15th Ave., N. W., complete structure to HANS PEDERSON, Madison Block, Seattle, at $242,620; Fremont Ave. Bridge, superstructure, BEERS BUILDING CO., Pittock Bldg., Portland, Ore., at $154,601; substructure to the PACIFIC STATES CONSTRUCTION CO., Burke Bldg., Seattle, at $111,916. Both bridges will be of the double-leaf bascule trunnion type. Noted July 1 and 29.

Salem, Ore.—Bids will be received until Aug. 16 by the County Court of Marion County for the construction of a bridge across the Little North Fork of the Santiam River on the road between Gates and Cold Creek. The estimated cost is $10,000. Max Gehler is Clk.

Dunsmuir, Calif.—Bids will be received until 2 p.m., Aug. 23, by the State Highway Commission, Forum Bldg., Sacramento, for the construction of a reinforced-concrete bridge over the Sacramento River near Dunsmuir. It will have one arch 180 ft. long, and two arches of 114 ft. each. Arthur B. Fletcher is State Highway Engr. Noted Aug. 5.

✚**Eureka, Calif.**—The Board of Supervisors of Humboldt County has awarded the contract for the construction of a suspension bridge across the Salt River at Ballou's Ford to FRANK L. SMITH, at $16,490. Other bidders were: Elsmore & Jacobs, $18,487; Joseph H. Moore & J. N. Lentell, $19,872; Mercer-Fraser Co., $21,316.

✚**Sacramento, Calif.**—The State Highway Commission has awarded a contract for the construction of two bridges across Boulder Creek and Shotgun Creek in Shasta County, to A. F. ROLANDI, San Francisco, at $5450.

San Jose, Calif.—(Official)—Bids will be received until 11 a.m., Aug. 23, by the Board of Supervisors of Santa Clara County, for the construction of a two-span girder type reinforced-concrete bridge over Bodfish on the Bodfish Rd., and for slab type reinforced-concrete culvert on the Shannon Rd. Henry M. Ayer is Chn., Bd. of Supvrs. Henry A. Pfister is Clk.

✚**Ukiah, Calif.**—The Board of Supervisors of Mendocino County has awarded a contract for bridge work to V. M. PRICE, at $6000.

WATER SUPPLY—IRRIGATION

★**South Braintree, Mass.**—(Official)—Bids will be received until Aug. 21 for furnishing c.-i. water pipe and appurtenances and for laying water mains. W. E. Maybury is Supt. of Water Wks.

★**Hartford, Conn.**—Bids were received by the Board of Water Commissioners, Aug. 3 for the construction of the dam of the compensating reservoir in connection with the Nepaug water system, as follows: Charles W. Blakeslee & Sons, New Haven, $357,766; Larkin & Sangster, Seneca Falls, N. Y., $396,990; Winston & Co., Brown Station, N. Y., $399,540; Coleman Bros., Chelsea, Mass., $414,940; T. Stuart & Sons Co., Newton, Mass., $426,290; Peter F. Connolly & Co., Boston, Mass., $433,195; Brune & Petitti, Boston, Mass., $438,750; Hugh Nawn Co., Boston, Mass., $442,805; H. S. Kerbaugh, New York, N. Y., $449,646; Fred T. Ley Co., Springfield, Mass., $461,190; Piersen Engineering & Construction Co., Hartford, Conn., $465,285; Walsh Construction Co., Davenport, Iowa, $485,539; J. F. Cogan Co., New York, N. Y., $486,970; Bates & Rogers Construction Co., Chicago, Ill., $512,767 and James A. Hart Co., New York, N. Y., $723,860. Noted July 15.

Buffalo, N. Y.—The Council contemplates issuing bonds for $250,000, the proceeds of which will be used for the extension of its water system. George H. Norton is Act. Comr. of Pub. Wks.

✚★**Ilion, N. Y.**—(Official)—The contract has been awarded to CHARLES A. CHATHAM, 119 University Ave., Syracuse, at $12,832, for constructing a diverting dam and appurtenances. Other bidders were: George & Bove, $13,202; Ralph F. Relly, $12,759; Charles R. Lewis, $14,875; F. W. Johnston, $16,279; Thomas McGreger, $13,849 and A. Harper, $13,538. George Rasbach is Clk. Noted July 22.

✚**Lockport, N. Y.**—(Official)—The contract will be awarded to the C. B. WHITINGE CO., Lockport, at $15,090, for laying water mains after the money has been received for the water bonds William G. Spaulding is Clk., Bd. of Water Supply. Noted July 29.

✚**Camden, N. J.**—The contract has been awarded to the CAMDEN IRON WORKS, Philadelphia, Penn., at $12,000, by the Water Commission of the City Council for two 5,000,000-gal. centrifugal pumps. Noted May 6 and July 29.

Trenton, N. J.—Governor Fielder has officially approved the plans of the State Water Supply Commission for the development of the Wanaque watershed for the joint use of the municipalities in the northern part of the state which have joined in the project.

West Orange, N. J.—An election will be held Aug. 16 to vote on the question of purchasing the water system of the West Orange Water Co. The amount will not exceed $300,000. Carroll P. Bassett is Pres. of the company. Noted July 15.

Allentown, Penn.—A report has been submitted by Charles D. Weirbach, City Engr., on the installation of pumps at the pumping station. The estimated cost is $27,500 to $48,500, according to pumps used.

Hatfield, Penn.—Bids will be received until Aug. 16 by Jonas S. Moyer, Town Clk., for laying about two miles of water mains. Noted Apr. 8.

✚**Langhorne, Penn.**—(Official)—The contract has been awarded to the AMERICAN WATER SOFTENER CO., 1011 Chestnut St., Philadelphia, for installing a filtration plant. Noted July 8 and 15.

✚★**Mifflinburg, Penn.**—(Official)—The contract has been awarded to F. H. GIMBERLING, Selins Grove, at $3979, by the borough for constructing a 500,000-gal. reinforced-concrete reservoir. Alexander Potter, 50 Church St., New York, N. Y., is Consult. Engr. Noted May 27 and July 22.

Tamaqua, Penn.—Plans have been prepared for the construction of a 357,000,000-gal. reservoir. The estimated cost is $100,000. Noted Nov. 19, 1914.

Keedysville, Md.—The water mains of the Boonsboro Water Co., Boonsboro, will be extended to the town limits.

North East, Md.—The Maryland Water Co. has been granted permission to issue $40,000 in bonds, the proceeds of which will be used for the extension of its system.

Columbia, Tenn.—The Columbia Water & Light Co. plans to construct a filtration plant. W. H. Weiss, Kansas City, Mo., is Consult. Engr. Noted June 10.

Madisonville, Tenn.—(Official)—We have been advised that the city does not contemplate making extensions to the water system this year. Noted Aug. 5.

Louisville, Ky.—Bids will be received about Sept. 1, according to press reports, by the Louisville Water Co. for laying a 48-in. water main. James B. Wilson is Ch. Engr.

Brewster, Ohio—Bids will be received until Aug. 20 by L. S. Lash, Village Clk., for constructing a municipal water system. The W. H. Sherman Co., Toledo, is Engr. Noted Feb. 4.

Cleveland Heights, Ohio—(Warrensville post office)—Bids will be received by H. H. Canfield, Clk., until noon, Sept., 7, for the construction of an 8-in. water main in Derbyshire, Kent, Lennox, Norfolk and Surrey Rd. The F. A. Pease Engineering Co., Marshall Bldg., Cleveland, is Engr.

Farmersville, Ohio—According to press reports bids will be received about Aug. 20 by the city for the installation of a water system. The estimated cost is $14,500. A. S. Gilbert is Village Clk. Noted June 10.

Oberlin, Ohio—The city plans to construct a 10,000,000-gal. reservoir.

East Chicago, Ind.—The State Board of Health recommends the installation of a filtration plant for the East Chicago and Indiana Harbor Water Works Co.

Topeka, Ind.—The Topeka Water Co., recently incorporated with $8000 capital, will install a water system. A. D. Ritter is interested.

+Frankfort, Ill.—(Official)—The contract has been awarded to the CHICAGO BRIDGE & IRON WORKS, Chicago, at $4950, for constructing a water tank and tower. Noted July 22.

+Joliet, Ill.—(Official)—The contract has been awarded to ROBERT SHANNON, 421 Pleasant St., at $38,516, for laying water mains.

+Murphysboro, Ill.—The contract has been awarded to the NEW YORK CONTINENTAL JEWEL FILTRATION CO., New York, N. Y., for constructing a filtration plant for the Water Works, Electric Light & Gas Co. Noted July 29.

++Rockford, Ill.—(Official)—Bids were received July 27 for furnishing pumping equipment for well No. 8 as follows: Rotary Type: LAYNE & BOWLER CORPORATION, Los Angeles, Calif., Proposal No. 1, 60 doz., $4882 (awarded contract); American Well Works, Aurora, 105 doz., $5739; Layne & Boyler Corporation, Proposal No. 2, 60 doz., $5782; Byron Jackson Co., San Francisco, Calif., $5833. Reciprocating Type: American Well Works, Aurora, 150 doz., $9600; and International Steam Pump Works, Chicago, 105 doz., $9900. Noted July 15 .

Springfield, Ill.—The construction of locks at the dam in the Sangamon River is under consideration by the Council.

Watertown, Ill.—Bids will be received until 3 p.m., Aug. 16, by Frank D. Whipp, Fiscal Supv., Springfield, for laying c.-i. water mains at the Watertown State Hospital. Martin C. Schwab, Mallers Bldg., Chicago, is Consult. Engr.

+Ellsworth, Wis.—The contract has been awarded to HECTOR COOLSAET, Marshall, Minn., at $5865, for making extensions to the water system. Noted June 10 and July 22.

+West Allis, Wis.—(Official)—The contract has been awarded to HERMAN HOBONSEE, Milwaukee, at $1.04 per ft. for water pipe and $0.79 per ft. for sewer pipe. Noted Mar. 11.

Germania, Iowa—Bonds for $10,000 have been voted by the citizens, the proceeds of which will be used for the construction of a water system. M. S. Stoddard is City Clk.

+Kingsley, Iowa—(Official)—The contract has been awarded to the DES MOINES BRIDGE CO., Des Moines, at $4350, for constructing water tanks. Noted July 29.

+Ogden, Iowa—The contract has been awarded to the ALAMO ENGINE & SUPPLY CO., Omaha, Neb., at $9378, for furnishing 18,000 ft. of 4-in. water pipe and specials. Noted July 22.

Forest Lake, Minn.—An election will be held to vote on the question of issuing $20,000 in bonds, the proceeds of which will be used for the construction of a water system and storm water drains. J. F. Druar, St. Paul, is Engr.

West St. Paul, Minn.—(St. Paul post office)—An election will be held to vote on the question of issuing $35,000 in bonds, the proceeds of which will be used for the extension of the water system. J. F. Druar, St. Paul, is Engr.

Cortland, Neb.—The citizens contemplate installing a water system.

Syracuse, Neb.—Bids will be received until Aug. 19 by William Stanbro, Village Clk., for making inprovements to the water system. C. O. Martz, Lincoln, is Engr. The estimated cost is $8500. Noted June 10 and July 15.

+Watertown, S. D.—(Official)—The contract has been awarded to the AMERICAN CAST IRON PIPE CO., Birmingham, Ala., at $7875, for furnishing c.-i. pipe and castings. Other bidders were the United States Cast Iron Pipe & Foundry Co., $7925 and the Crane Co., $9425. Noted July 29.

Columbia Falls, Mont.—A franchise has been granted to James A. Talbot, according to press reports, for the construction of a water system. A. L. Jaqueth, Kalispell, is Engr.

Macon, Mo.—At a recent election the citizens voted in favor of issuing bonds for $30,000, the proceeds of which will be used for the extension of the water system and for the installation of a filtration plant. Harper & Stiles, Grand Ave. Temple, Kansas City, is Engr. Noted Dec. 10, 1914.

Heber Springs, Ark.—Plans have been prepared and accepted for the construction of water and sewer systems. The estimated cost is $80,000. Noted Feb. 18.

+Dallas, Tex.—The contract has been awarded to the NEPTUNE METER CO., 90 Worth St., New York, N. Y., at about $72,000 for furnishing water meters.

Elgin, Tex.—(Official)—Bids will soon be received for the construction of a water system, the estimated cost of which is $11,000. J. W. Thomas is City Secy. Noted July 2.

Galveston, Tex.—Bids will be received until Aug. 26 by John D. Kelley, City Secy., for furnishing and erecting an air pumping engine at the Alta Loma pumping station.

Caddo, Okla.—At a recent election the citizens voted in favor of issuing bonds for $20,000, the proceeds of which will be used for the construction of a water system.

Grand Junction, Colo.—The citizens contemplate holding a special election to vote on the question of a bond issue for $15,000, the proceeds of which will be used for the improvement of the water system. H. F. Vorbeck is Water Comr.

Pueblo, Colo.—According to press reports the Cuchavas Irrigation Co. will issue $1,200,000 in bonds, the proceeds of which will be used to complete its irrigation system. Devine & Preston, Pueblo, is Representative.

Brigham, Utah—It is reported that plans are being prepared for the construction of an irrigation system to water the beet sugar lands on the west side of Bear River for the Utah Idaho Sugar Co.

Salt Lake City, Utah—The Sand Point Irrigation Co. plans to build a pumping plant on Utah Lake. Jay Dinsmore is Mgr.

Spanish Fork, Utah—Bids will soon be received for the construction of an irrigation system to water 5000 acres of land in the Sand Point project. Jay and B. F. Dinsmore, Salt Lake City, is Arch.

+Phœnix, Ariz.—Contracts have been awarded to the PITTSBURGH-DES MOINES STEEL CO., at $3240 and to the CHARLES C. MOORE ENGINEERING CO., San Francisco, Calif., at $4475 for installing water tube boiler and steel tower and tank at the Asylum, State Prison and State House.

Hillyard, Wash.—Bonds for $6000 have been voted by the citizens, the proceeds of which will be used for the construction of a new water system. Noted July 29.

Paulsbo, Wash.—Plans are being prepared for the construction of a water system by G. N. Miller & Son, Burke Bldg., Seattle. The estimated cost is $10,000. Noted June 17.

Seattle, Wash.—Water mains will be laid in East 54th St., and in Bradner St. A. H. Dimock is City Engr.

Seattle, Wash.—Plans have been approved by the City Council for the sealing of the Cedar River impounding dam. A. H. Dimock is City Engr. Noted Apr. 22 and June 17.

Stanwood, Wash.—Plans have been prepared by the Coast Engineering Co., White Bldg., Seattle, for the construction of an auxiliary water system to furnish water for fire protection. The estimated cost is $10,000.

Halfway, Ore.—Press reports state that a permit has been granted for the use of the Makinson Spring for a municipal water supply. A plant will be constructed at an estimated cost of $20,000.

+Modesto, Calif.—The contract for the construction of a concrete flume across Dry Creek on the main canal of the Modesto Irrigation District has been awarded to ERNEST GREEN, Modesto, at $60,602.

Matheson, Ont.—Bonds for $20,000 have been voted by the citizens, the proceeds of which will be used for the construction of a water system. F. W. Rockall is Clk.

East Kildonan, Man.—A bylaw has been passed by the Municipal Council for $41,000, the proceeds of which will be used for the construction of water mains.

Regina, Sask.—Bids will be received until Sept. 6 by J. W. Mackay, Supt. of Water Wks., for furnishing and installing a 7,000,000-gal. pumping unit at the power house.

SEWERS

Boston, Mass.—Bids will be received until Aug. 13 by the Department of Public Works for the construction of sewers and drains in various streets from Yarmouth to West Newton St. Edward F. Murphy is Comr.

+Boston, Mass.—The contract for the construction of sewers in Jamaicaway, Parkton Rd., Pondway Ave., Moraine and Halifax St. has been awarded to WILLIAM L. DOLAN, at $5700.

Boston, Mass.—Bids will be received until 1:30 p.m., Aug. 18, by the Metropolitan Water and Sewerage Board for 170 tons of 84-in. diam. bell and socket c.-i. pipe and 140 tons of special c.-i. pipe ranging from 48- to 84-in. diam.

East Gardner, Mass.—(Gardner post office)—Bids will be received until Aug. 18 by the State Board of Insanity, Room 36, State House, Boston, for the construction of a sewer system at the Gardner State Colony.

Worcester, Mass.—The Sewer Department contemplates the construction of extensions to the double sewer system in the Chandler St. Section. The estimated cost is $32,600. Mathew Gault is Supt. of Sewers.

+Hartford, Conn.—The contract for the construction of sewers in Ridgefield St. and Westboune Parkway has been awarded to EDGAR T. DUNCAN, at $9982. Other bids were: O'Neil Bros., $10,451; W. T. Ryan Construction Co., $11,715; A. W. Bryne, $12,050; Joseph Manocchio, $12,264; Louis Rogers & Co., $12,266; Antonio Lambo, $12,395; C. H. Slocomb & Co., $12,586; N. C. Casciano, $12,949; Berardino & Tomassetti, $12,272.

+Wallingford, Conn.—(Official)—The contract for the construction of tile pipe sewers and for the completion of the high level sewer has been awarded to O'NEIL BROS., Hartford, at $5647. Other bids were: N. C. Cascino, Hartford, $7251; E. F. Kavanaugh, Wallingford, $7726; Thomas F. Mahr, New Haven, $9107; Berdino & Tomsetti, Meriden, $9492. Noted July 29.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received by Marcus M. Marks, Borough Pres., for the relocation and reconstruction of sewers in Rector St., from: Melrose Construction Co., $16,246; P. J. Kearn, $16,414; Lawrence Contracting Co., 2409 Walton Ave., New York, N. Y., $11,886; E. A. Mathew, $21,522; Kingsbridge Contracting Co., $14,518; U. S. Drainage & Irrigation Co., $30,221; A. Spooner & Sons, $14,130; Casperini & DeBlasio, $19,246; P. Reilly, $20,569; Paconi Contracting Co., $14,551; Briggs & McLaughlin, $16,792; E. J. Granites Co., $13,570. Noted July 29.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 2 p.m., Aug. 16, by Marcus M. Marks, Borough Pres., for the construction of sewers in Ellwood St. from Nagle to Sherman Ave.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 2 p.m., Aug. 18, by Marcus M. Marks, Borough Pres., for the alterations and improvements to the sewer in First Ave., and to the outlet sewer at Dyckman St. and the Hudson River, including the construction of a submerged outlet and screening chamber.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 11 a.m., Aug. 19, by Maurice E. Connolly, Borough Pres., for the construction of sewers and appurtenances in Atlantic Ave., Fourth Ward, and for the construction of inlet basins in Webster Ave., First Ward.

✚New York, N. Y.—(Borough of Richmond)—(Official)—The contract for the construction of temporary sanitary sewers in Kissel, Castleton, Henderson Ave. and in Brighton Blvd. has been awarded to JOSEPH JOHNSON SONS, at $20,907. Noted July 22.

✚Syracuse, N. Y.—(Official)—The contract for the construction of storm water sewers in the northeastern section of the city has been awarded to FRANK SPOSATTO, 124 Noxon St., Syracuse, at $43,804. Noted July 29.

Atlantic Highlands, N. J.—At a recent election the citizens voted to issue $25,000 in bonds. The proceeds will be used for the improvement and extension of the sewer system. Noted June 10.

✚Hackensack, N. J.—The contract for the construction of a sewer system and a sewage-disposal plant has been awarded to MILLER & PIZZIMENTI, Caldwell, at $87,912. Noted July 22.

Jersey City, N. J.—Bids will be received until 4 p.m., Aug. 17, by the Board of Commissioners for the installation of a sewer system in West 12th St. William P. Lee is City Clk.

Franklin, Penn.—(Official)—No sewer work is contemplated by the city at present. Noted Aug. 5.

Wilkes-Barre, Penn.—Joseph Banks, Wilkes-Barre, at $5329, submitted the lowest bid for the construction of sewers in Cedar and Grant St. and in Lincoln Ave.

✚Baltimore, Md.—The contract for the construction of an additional section of sanitary sewers has been awarded to RAYN & REILLY, at $96,483. Noted July 29.

Richmond, Va.—Charles G. Bolling, City Engr., has been authorized to prepare plans for the construction of a metropolitan sewer system in the annexed territory on the north side of the Chesapeake & Ohio R.R. tracks to Hermitage Rd.

Parkersburg, W. Va.—Bids will be received until Aug. 18 by Frank Good, City Clk., for the construction of five sewers in various streets.

Albemarle, N. C.—The City Commissioners have approved plans prepared by J. G. Spinks, City Engr., for the construction of a sewer system. Noted Mar. 25.

Ayden, N. C.—An election will be held Aug. 20 to vote on the question of issuing $15,000 in bonds. The proceeds will be used for the construction of a sewer system.

Atlanta, Ga.—An election will be held Sept. 16 to vote on the question of issuing $1,000,000 in bonds. The proceeds will be used for the construction of sewers and sewage-disposal plants. Noted Aug. 5.

Ocala, Fla.—Plans are being prepared for the construction of a sewer system by J. B. McCrary Co., Atlanta, Ga. Noted June 17.

Cloverdale, Ala.—At a recent election the citizens voted to issue $30,000 in bonds. Part of the proceeds will be used for the construction of a sewer system. Noted July 8.

★Paducah, Ky.—Bids were received Aug. 3 by the Commissioner of Public Works for the construction of the outfall sewer, District No. 3, Contract No. 1 from: Yancy & Johnson, Paducah, at $49,361, and Winston Bros., Minneapolis, Minn., at $45,834. Noted July 8.

Chardon, Ohio—Bids will be received until noon, Aug. 19, by R. S. Parks, Clk., Village Council, for the construction of a sewage treatment plant and approximately eight miles of 6- to 12-in. vitrified pipe sewers. E. A. Fiedler is Village Engr.

Cincinnati, Ohio—The lowest bid received for the construction of sewers in South Canal St. and in county property was that of Thomas Strach, 31 Goodall Bldg., Cincinnati, at $6400. Noted July 15.

Cleveland, Ohio—Bids will be received until noon, Aug. 19, by the Commissioner of Purchases and Supplies for the construction of sewers in various streets. Robert Hoffman is City Engr.

Cleveland Heights, Ohio—(Warrensville post office)—Bids will be received until Sept. 7 by H. H. Canfield, Clk., for the construction of storm and sanitary sewers in Derbyshire, Kent, Norfolk and Surrey Rd. F. A. Pease Engineering Co., 804 Marshall Bldg., Cleveland, is Engr.

Hamilton, Ohio—The lowest bid submitted for the construction of sanitary sewers was that of John L. Walker & Co., at $35,000.

Lima, Ohio—W. H. Dittoe, Ch. Engr. of the State Bd. of Health, has recommended to the City Council the establishing of a scientific sewer system and the construction of a reservoir.

✚Toledo, Ohio—(Official)—The contract for the construction of local sanitary sewers in District No. 18 in Lucas County has been awarded to J. N. BICK, Toledo. Noted July 29.

Kendallville, Ind.—The City Council has retained Smith & Boulay, Consult. Engr., Toledo, Ohio, to prepare plans for the construction of a sanitary sewer system.

✚Alma, Mich.—The contract for the construction of sewers in Gratiot, Woodworth and the Rockingham divisions has been awarded to THOMAS SAMPSON, Mount Pleasant, at $6090.

✚Escanaba, Mich.—The contract for extending the sewer system has been awarded to JOHN F. LINSAY, Escanaba, at $33,271.

Alton, Ill.—Plans are being prepared for the construction of a sewer system and a sewage-disposal plant for the Alton State Hospital.

Berwyn, Ill.—Bids will be received until 8 p.m., Aug. 17, by the Board of Local Improvements for the construction of sewers in various streets , Oscar N. Lindahl is Secy., Board of Local Imp.

Evanston, Ill.—The Commissioner of Public Works is preparing plans for the construction of a sewer system in the southwesterly section of the city. The estimated cost is $324,400.

✚Joliet, Ill.—(Official)—The contract for the construction of the Third Ward sewer system has been awarded to ROBERT SHANNON, 421 Pleasant St., Joliet, at $51,868. Other bids were: Curtis & Tyndall, $61,653; Monahan Bros., $[illegible]; Foley Construction Co., $59,053; Newkirk & Powers, $[illegible]; Embankment Co., $53,424. Noted July 22.

✚Wenona, Ill.—(Official)—The contract for the construction of a sewer system with septic tanks has been awarded to DRISCOLL & O'BRIEN, Decatur, at $17,366. Noted July 29.

✚Beaver Dam, Wis.—(Official)—The contract for the construction of sewers in various streets has been awarded to E. P. SYKER, Minneapolis, Minn. Noted July 22.

Madison, Wis.—Bids will be received until Aug. 13 by E. E. Parker, City Engr., for the construction of approximately 17,050 ft. of 20-in. c.-i. pipe sewers.

Milwaukee, Wis.—The City Council has been requested by the Sewer Commission to provide for a bond issue of $1,500,000 for the proposed sewer construction for 1916.

Neenah, Wis.—Plans are being prepared by E. L. Spence for the construction of a sewer system.

✚West Allis, Wis.—(Official)—The contract for the construction of sewers in various streets has been awarded to HERMAN HOHENSON, Milwaukee. Noted July 22.

Ames, Iowa—The Council plans to construct approximately 22,500 ft. of 8-in., 1850 ft. of 10-in. pipe sewers, 35 flush tanks and 40 manholes.

Brooklyn, Iowa—Surveys are being made and plans will be prepared for the construction of a sewer system.

✚Carroll, Iowa—The contract for improving the sewage treatment plant has been awarded to the OFFERMAN CONSTRUCTION CO., South Omaha, Neb., at $13,600.

Clinton, Iowa—The lowest bid received for the construction of sewers in the Fourth Ward was that of Thomas Carey & Son, Clinton, at $27,017. J. G. Thorne is City Engr. Noted Aug. 5.

Elliott, Iowa—Preliminary surveys have been made by Theodore S. De Lay, Creston, for the construction of a sewer and drainage system.

Ft. Madison, Iowa—The City Council contemplates the construction of a sewer system in the section west of Spring Creek.

✚Grinnell, Iowa—The contract for the construction of approximately one mile of storm sewers has been awarded to BASH & JANES, Joplin, Mo., at $4177.

✚Laporte City, Iowa—(Official)—The contract for the construction of sewers has been awarded to BASH & JANES, Joplin, Mo., at $11,751. Other bids were: Anderson & Empie, Manhattan, $15,135; D. E. Keeler Co., Davenport, $14,176; M. S. Jackson, Cedar Rapids, $14,008; W. D. Yeager, Cedar Rapids, $14,596; Dearborn Construction Co., Waterloo, $13,520; Moore-Sieg Construction Co., Waterloo, $12,882. Noted July 29.

Mason City, Iowa—Plans are being prepared by Frederick Bass, Consult. Engr., Minneapolis, Minn., for the construction of a sewage-disposal plant of the Imhoff type. The estimated cost is $70,000.

Oskaloosa, Iowa—The city contemplates the construction of septic tanks and improving the sewage-disposal plant. The estimated cost is $10,000 H. C. Hawkins is City Engr.

✚Sioux City, Iowa—The contract for the construction of the Cresent Park storm sewer has been awarded to CADY & SAVONELL.

Sandstone, Minn.—Bids will be received until Aug. 23 by C. Rudisuhe, Village Recdr., for the construction of sewers. Noted Aug. 5.

Stillwater, Minn.—Bids will be received until Aug 17 by the City Council for the construction of sewers in Churchill and South Fourth St. Lewis W. Clarke is City Engr.

✚Virginia, Minn.—The contract for the construction of storm sewers has been awarded to the EVELETH CONSTRUCTION CO., Eveleth, at $27,011. Noted July 1.

Chanute, Kan.—Bids will be received until Aug. 20 by C. G. Wood, City Clk., for the construction of a sewage-disposal plant and septic tanks. Noted Apr. 22.

✚Norton, Kan.—(Official)—The contract for the construction of main, intercepting and lateral sewers and a sewage-disposal plant has been awarded to the GORDON & TAYLOR CONSTRUCTION CO., Denver, Colo., at $32,821. Other bids were: T. M. Torson, Kansas City, $38,442; M. W. Holben, Attica, Ind., $32,643; W. W. Cook, Junction City, $26,002; O'Neil Construction Co., Leavenworth, $43,103. Noted July 29.

Wichita, Kan.—The contract for the construction of approximately ½ mile of storm sewers will be awarded about Sept. 1. The estimated cost is $4500. Noted July 29.

✚Bridgeport, Neb.—(Official)—The contract for the construction of sewers has been awarded to C. J. BURK & SON, Kearney, at $5747. Noted July 29.

Valentine, Neb.—Bids will be received until 8 p.m., Aug. 14, by W. E. Haley, Village Clk., for the construction of sewers. The estimated cost is $5000.

✚Aberdeen, S. D.—The contract for the completion of the First Ave. sewer has been awarded to the ARTHUR A. DOBSON CO., Lincoln, Neb., at $24,027.

Fargo, N. D.—Bids will be received by A. R. Watkins, City Audr., until 10 a.m., Aug. 18, for the construction of lateral sewers in District Nos. 1 and 3.

Bozeman, Mont.—Bids will be received until 5 p.m., Aug. 19, by C. A. Spieth, City Clk., for the construction of storm sewers in District Nos. 98 and 99.

✚Wibaux, Mont.—The contract for the construction of a sewer system has been awarded to the HAGGERT CONSTRUCTION CO., Fargo, N. D., at $12,998. Noted July 22.

Kansas City, Mo.—The Board of Public Works has instructed the Engineering Department to prepare plans for the construction of sewers in East 27th St. Curtis Hill is City Engr.

Springfield, Mo.—At an election held Aug. 2 the citizens for the third time voted against the question of issuing $50,000 in bonds. The proceeds was to have been used for the construction of sewers and repairing the old sewers. Noted July 22.

Heber Springs, Ark.—Plans have been approved by the City Council for the construction of a sewer system and waterworks. The estimated cost is $80,000. Noted Feb. 11.

Waco, Tex.—An election will soon be held to vote on the question of issuing $60,000 in bonds, the proceeds of which will be used for the construction of a sewage-disposal plant. Henry G. Elrod, Dallas, is Engr.

Colorado Springs, Colo.—The city contemplates the construction of a conduit in 17th St. to carry off the flood waters in West Colorado Springs. The estimated cost is $30,000.

Seattle, Wash.—Plans have been approved by the Board of Public Works for the construction of sewers in Sixth Ave., N. W. The estimated cost is $90,000. L. B. Young is Chn. of Bd. of Pub. Wks.

Enterprise, Ore.—The City Council has passed an ordinance providing for the construction of lateral sewers estimated to cost $25,000. Noted July 29.

+Portland, Ore.—The contract for the construction of sewers in East Alder St. from East Second St. to the harbor line has been awarded to the ALEXIS CONTRACT CO., Portland, at $21,106. Noted Aug. 5.

+Los Angeles, Calif.—(Official)—The contract for the construction of sewers in Temple St. from Oxford Ave. to Kingsley Drive and in other streets has been awarded to J. CHUTUK, Los Angeles, at $39,118. Other bids were: Peter S. Tomich, $40,500; Peter Janicich, $44,300; Zarubica & Wusetich, $45,879; John Radich, $48,500; Waltoon & Spicer, $42,000; James Kennedy, $42,588; Charles Chutuh, $47,575; John Sutals, $53,400; Paic H. Howland, $64,473. Noted July 29.

+Sacramento, Calif.—The contract for the construction of Unit No. 6 of the sewer system has been awarded to A. TEICHERT & SON, at $71,476.

Sausalito, Calif.—Bids will soon be received by the Board of Trustees for the installation of a sewer system for the South Side. The estimated cost is $12,500.

Elmira, Ont.—H. J. Bowman, Court House, Berlin, Ont., is preparing plans for the construction of a sewer system. The estimated cost is $30,000.

Matheson, Ont.—The city contemplates the construction of a sewer system. F. W. Rockall is City Clk.

Mimico, Ont.—Plans are being prepared for the construction of a sewage-disposal plant and a pumping station. The estimated cost is $50,000.

Toronto, Ont.—Bids will be received until noon, Aug. 17, by T. L. Church, Chn., Bd. of Control, for the construction of sewers in Catfish Pond.

Toronton, Ont.—Charles J. Hastings, Medical Health Officer, and R. C. Harris, Comr. of Pub. Wks., have, after a thorough investigation of the sewer system, reported that all experiments for the improvement of the existing system are without results. They recommend the installation of Imhoff tanks which will cost $600,000, or if installed without the sprinklers will cost approximately $328,700.

GARBAGE

Ottawa, Ont.—Bids will be received until Aug. 26 by the Secretary of the Board of Control for the construction of an incinerator.

+Transcona, Man.—The contract has been awarded to the IDEAL INCINERATOR CO., at $18,875, for constructing an incinerator.

STREETS AND ROADS

Portland, Maine—Bids will be received until noon, Aug. 13, by the Commissioner of Public Works for paving Auburn St. with bituminous macadam or concrete.

+Beverly, Mass.—The contract for repaving Rantoul St. from Bow to Chestnut St. has been awarded to M. McDONOUGH, Swampscott, at $40,000. Noted July 29.

+Boston, Mass.—Contracts have been awarded for constructing 5300 lin.ft. of road in Ashburnham to the ALCO CONSTRUCTION CO., Boston, at $8169 and 5300 lin.ft. of road in Chelmsford to J. E. WATKINS, Amesbury, at $12,094. Noted July 29.

+Hartford, Conn.—A contract has been awarded by the State Highway Commissioner for the construction of about 14,960 lin.ft. of graded road in Ashford Township to the CONNECTICUT GOOD ROADS & CONSTRUCTION CO., New Britain, at approximately $21,765.

★Albany, N. Y.—(Official)—Bids will be received until 1 p.m., Aug. 24, by Edwin Duffey, State Highway Comr., for repairing and constructing highways in various counties.

★Albany, N. Y.—(Official)—Bids will be received until 1 p.m., Aug. 26, by Edwin Duffey, State Highway Comr., for improving and constructing highways in various counties.

+★Albany, N. Y.—(Official)—Contracts have been awarded for constructing Road No. 5498, Cornwall-West Point Rd., Parts 1 and 2, Orange County, 4.03 miles to the JOHN L. HAYES CONSTRUCTION CO., Yonkers, $273,737; Road No. 5573, Cornwall-West Point Rd., Part 3, Orange County, 1.17 miles to NORDONE & PETRILLI, Mt. Vernon, $13,342. Noted July 29.

★Albany, N. Y.—(Official)—Bids were received Aug. 3 by Edwin Duffey, State Highway Comr., for repair highways in various counties as follows:

Repair Contract No. 825, Broome County, 1.76 miles: Charles E. Haney, Camillus, $12,690; Port Jervis Construction Co., Port Jervis, $13,386.

Repair Contract No. 820, Chemung County, 2.33 miles: Frank K. Liberatore, Elmira, $12,198; John C. Bradley, Corning, $13,532; Charles E. Haney, Camillus, $13,528; McGreevey, McGuigan & Baum Construction Co., Elmira, $13,620; Kennedy Construction Co., Albany, $13,698; Peter F. Connolly Co., Horseheads, $14,245; J. W. Brennan Construction Co. Inc., Geneva, $14,929; F. L. Breese Construction Co., Elmira, $15,246; Clyde Construction Co., Albany, $14,303; E. Styring, Syracuse, $15,347.

Repair Contract No. 830, Chenango County, 3.55 miles: Smith & Stoll, Port Crane, $13,391; Paddleford & King, Sherburne, $14,441; Charles E. Haney, Camillus, $14,614; Nash & Griffin, Norwich, $14,951; Ruddy-Saunders Construction Co., Troy, $16,090.

Repair Contract No. 822, Clinton County, 1.99 miles: James Conway, Plattsburgh, $7806; A. Florentine & Son, Plattsburgh, $7863; Richard Hopkins, Troy, $7972; L. S. Derossia & Co., Massena, $7989; Gruner & Hallenbeck, Harriman, $8542.

Repair Contract No. 816, Columbia County, 9.26 miles: Olin T. Benedict, Pittsfield, Mass., $15,426; Crowe & Walsh, Pittsfield, Mass., $16,499; William Doyle, Saugerties, $16,833; Marks Kearney, Hudson, $16,868; Faille & Shackett, Troy, $17,033; Thomas H. Karr, Troy, $17,284; James J. Rigney, Rensselær, $18,032.

Repair Contract No. 834, Dutchess County, 4.12 miles: Henry Clinton, Poughkeepsie, $12,950; Thomas H. Karr, Troy, $14,495; Conway Bros. & Kennedy, Eddyville, $14,793; Tri-County Construction Corp., Mt. Vernon, $14,794; Ruddy-Saunders Construction Co., Troy, $14,850; William Doyle, Saugerties, $14,870; Abner M. Harper, Inc., Newburgh, $14,900; Thomas J. Martin, Beacon, $14,974; Belmar Contracting Co., Inc., Troy, $17,140.

Repair Contract No. 827, Putnam and Dutchess Counties, 13.47 miles: Thomas H. Karr, Troy, $9939; R. B. Strang, Cold Springs, $9995; Edward Hartney, Modena, $10,721; William Doyle, Saugerties, $10,757; Thomas J. Martin, Beacon, $10,977; Amos D. Bridges Sons, Inc., Hazardville, Conn., $12,082.

Repair Contract No. 828, Erie County, 0.87 mile: Union Paving Co., Schenectady, $13,503; Langan Construction Corporation, Albany, $13,594; J. F. Driscoll, Buffalo, $15,252; Henry P. Burgard Co., Buffalo, $17,577.

Repair Contract No. 819, Herkimer County, 5.46 miles: R. D. Cooper, Little Falls, $6715; Richard Hopkins, Troy, $7482; Newport Construction Co., Herkimer, $7852.

Repair Contract No. 637, Monroe County, 0.56 mile: Crouch Bros., Rochester, $12,377; Whitmore, Rauber & Vicinus, Rochester, $12,412; Morrison & Quinn, Inc., Rochester, $12,867; I. M. Ludington Sons, Inc., Rochester, $13,455; Shaw & Lakin, Jamestown, $14,205.

Repair Contract No. 817, Montgomery County, 10.91 miles: Charles Scott, Fort Plain, $4004; Nash & Griffin, Norwich, $4248; John P. Dugan & Co., Amsterdam, $4400; Richard Hopkins, Troy, $4486; Huntoon & Ferguson, Hudson Falls, $4506; Clarence Welsh & Co., Gloversville, $4694; Headley Good Roads Co., Philadelphia, Penn., $4973; William G. Fox, Saratoga Springs, $5170.

Repair Contract No. 823, Otsego County, 1.88 miles: Newport Construction Co., Herkimer, $19,192; Fulton Engineering Co., Inc., Albany, $19,992; Michael O'Brien, Cortland, $20,595; John H. Gordon, Albany, $21,335; Nash & Griffin, Norwich, $21,496; W. E. Bennett, Lanesboro, $21,500; William G. Fox, Saratoga Springs, $21,653; Belmar Contracting Co., Inc., Troy, $21,795; L. F. Bannon Plumbing, Heating & Contracting Co., Kingston, $21,878; Sherman Contracting Co., Inc., Oneonta, $21,994; Newman Concrete Road Co., Athens, Penn., $22,255; R. D. Cooper, Little Falls, $24,190.

Repair Contract No. 818, St. Lawrence County, 5.5 miles: Orlando Beede, Keene Valley, $26,145; Weed & Walsh, Mechanicville, $26,578; Arthur F. McConville, Ogdensburg, $27,865; Richard Hopkins, Troy, $29,128; Thomas Grady, Rochester, $29,632; L. S. DeRossia & Co., Massena, $29,668; Rock-Griffin Co., Massena, $33,186.

Repair Contract No. 815, St. Lawrence County, 19.32 miles: Clarence E. Walker, Troy, $3344; Atlantic Refining Co., Philadelphia, Penn., $3736; Richard Hopkins, Troy, $3756; Pathfinder Construction Co., Inc., Fulton, $3880; Harry W. Roberts & Co., Utica, $3880; Nash & Griffin, Norwich, $3921; John M. Hackett, Dunkirk, $4128; Rock-Griffin Co., Massena, $4128; American Car Sprinkler Co., Worcester, Mass., $4382; P. J. Kennedy, Brasie Corners, $4952.

Repair Contract No. 814, St. Lawrence County, 15.88 miles: Clarence E. Walker, Troy, $2662; Pathfinder Construction Co., Inc., Fulton, $2739; Richard Hopkins, Troy, $2739; Atlantic Refining Co., Philadelphia, Penn., $2754; Harry W. Roberts & Co., Utica, $2860; Nash & Griffin, Norwich, $3043; Rock-Griffin Co., Massena, $3043.

Repair Contract No. 824, Schoharie County, 0.104 mile: J. J. Malloy, Schenectady, $2149; H. A. Knapp, Delmar, $2281; W. J. Cowhig, Albany, $2284; William R. Kimmey, Albany, $2284; Huntoon & Ferguson, Hudson Falls, $2340; S. B. Easton, Albany, $2368; Belmar Contracting Co., Inc., Troy, $2392; Michael O'Brien, Cortland, $2394; Chas. Rose & Son, Cobleskill, $2457.

Repair Contract No. 832, Steuben County, 1.14 miles: Charles E. Haney, Camillus, $6314; Kennedy Construction Co., Albany, $6334; McGreevey, McGuigan & Baum Construction Co., Elmira, $6504; Sweeney & Boland, Rochester, $6782; Peter F. Connolly Co., Horseheads, $7026; Greenfield Construction Co., Hornell, $7145; Clyde Construction Co., Albany, $7287; E. Styring, Syracuse, $7447.

Repair Contract No. 831, Sullivan County, 2 miles: Armstrong & Trowbridge, Roscoe, $12,984; Ruddy-Saunders Construction Co., Troy, $13,343; Port Jervis Construction Co., Port Jervis, $13,470; John A. Jova, Inc., Newburgh, $14,514.

Repair Contract No. 833, Tompkins County, 17.10 miles: Richard Hopkins, Troy, $7637; William Hasard, Trumansburg, $8989; John H. Gordon, Albany, $9204; Nash & Griffin, Norwich, $9387; Headley Good Roads Co., Philadelphia, $9428; E. Styring, Syracuse, $10,226; Patrick D. Conley, Ithaca, $10,244; Peter F. Connolly Co., Horseheads, $10,605.

Repair Contract No. 835, Warren County, 14.37 miles: Defiance Corporation, Ticonderoga, $5046; Kellogg & Boynton, Keeseville, $5138; Huntoon & Ferguson, Hudson Falls, $5139; William G. Fox, Saratoga Springs, $5706.

Repair Contract No. 821, Westchester County, 2.22 miles: Delta Contracting Co., Inc., Jamaica, $3996; Tri-County Construction Corporation, Mt. Vernon, $4104; Thomas H. Karr, Troy, $4198; William Doyle, Saugerties, $4287; Miguel L. Hauck, White Plains, $4440; Frank G. Fowler Construction Co., Mt. Kisco, $4508; White & Colligan, Purchase, $4347.

Repair Contract No. 826, Westchester County, 0.54 mile: Tri-County Construction Corporation, Mt. Vernon, $3454; Thomas H. Karr, Troy, $3494; White & Colligan, Purchase, $3744; Delta Contracting Co., Inc., Jamaica, $3779; Frank G. Fowler Construction Co., Mt. Kisco, $3629; William Doyle, Saugerties, $3924; Miguel L. Hauck, White Plains, $4023.

✚**Lockport, N. Y.**—The contract for constructing 1.91 miles of the Shawnee Rd. has been awarded to the STAINTHORPE CO., Lockport, at $20,000.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids were received Aug. 3 by Douglas Mathewson, Borough Pres., for improving Victor St. from Van Nest to Rhinelander Ave., as follows: J. Di Menna, $8301; Burnside Contracting Co., $8024; Frank C. Rose, $8252; Thomas Tenore, $7740; Fred Sneider, $8423; P. Costello, $9845; De Minna & De Blasic, $8109; W. H. Callahan & Son, $8028; Delson Contracting Co., $8677; S. Amanna & Sullivan, $8995; Briggs & McLoughlin, $9893; Joseph Gallick, $9036. Noted July 29.

✚**New York, N. Y.**—(Borough of Brooklyn)—(Official)—The contract for regulating, grading, curbing and laying sidewalks on 81st St. from 19th to 21st Ave. has been awarded to M. PACONI, at $5002. Noted July 15 and 29.

✚**New York, N. Y.**—(Borough of Brooklyn)—(Official)—Contracts for improving Skillman St. from Park to Myrtle Ave., Myrtle Ave. from Franklin to Nostrand Ave., Nostrand Ave. from Stockton St. to 75 ft. south of Willoughby Ave. and Vernon Ave. from Nostrand to Marcy Ave. has been awarded to the BOROUGH ASPHALT CO., $26,519. Noted July 22 and Aug. 5.

✚**New York, N. Y.**—(Borough of Brooklyn)—(Official)—Contracts for improving East Ninth St. from Ave. O to Ave. Q, East 19th St. from Ave. L to Ave. M and East 39th St. from Ave. I to Ave. K. have been awarded to the BROOKLYN ALCATRAZ ASPHALT CO., 407 Hamilton Ave., Brooklyn, at $11,779, $4428 and $8974 respectively. Noted July 29.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., Aug. 18, by L. H. Pounds, Borough Pres., for regulating, grading, curbing and laying sidewalks on various streets.

✚**New York, N. Y.**—(Borough of Manhattan)—(Official)—Contracts have been awarded for improving 68th St. from Park to Fifth Ave. to the ASPHALT CONSTRUCTION CO., $7098; 100th St. from Central Park West to Amsterdam Ave. to the SICILIAN ASPHALT CO., $35,642; 100th St., from West End Ave. to Riverside Drive to the AZTEC ASPHALT CO., $4036; Riverside Drive from 177th to 181st St. to P. J. DUFFY, $6043. Noted July 22.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 11 a.m., Aug. 19, by Maurice E. Connolly, Borough Pres., for improving Grand St. from the main line of the Long Island R.R. to Hoffman Blvd.

New York, N. Y.—(Borough of Richmond)—(Official)—Bids will be received until noon, Aug. 17, by Calvin D. Van Name, Borough Pres., for constructing concrete sidewalks on both sides of Guyon Ave., from the Staten Island Ry. tracks to Mill Rd.

✚**Niagara Falls, N. Y.**—A contract for constructing about 500,000 sq.ft. concrete sidewalks has been awarded to THOMAS McPHERSON, Niagara Falls, at $0.115 per sq.ft.

Bayonne, N. J.—Bids will be received until Aug. 17 for paving a number of streets with asphalt.

★**Elizabeth, N. J.**—(Official)—Bids will be received until 3 p.m., Aug. 26, by Thomas E. Collins, City Engr., for resurfacing telford streets with 26,000 sq.yd. of asphalt concrete, and also for 8600 sq.yd. of new granite block pavement on a 6-in. concrete foundation.

Irvington, N. J.—Bids will be received until 2 p.m., Aug. 23, by the Board of Chosen Freeholders of Essex County, Newark, for improving Lyon Ave.

Jersey City, N. J.—Bonds for $250,000 have been sold, the proceeds of which will be used for improving the Newark Turnpike.

✚**Newark, N. J.**—The contract for paving South Orange Ave. with asphalt block has been awarded to RALPH SANGIOVANNI, at $27,826. Noted July 8 and 22.

New Brunswick, N. J.—Bids will be received until 2:30 p.m., Aug. 23, by the Board of Chosen Freeholders of Middlesex County for constructing the South Amboy-Keyport Rd., from the South Amboy City line to the Monmouth County line, in two sections: from South Amboy line to Morgan Station, with vitrified brick on concrete base; Morgan Station to Monmouth County line, bituminous concrete on old macadam base. Alvin B. Fox, Perth Amboy, is County Engr.

✚**Weehawken, N. J.**—The contract for improving Columbia Terrace by paving with asphalt block has been awarded to the CLINTON CONTRACTING CO., West Hoboken, at $9414. Noted July 15.

✚**West New York, N. J.**—Contracts have been awarded for paving 13th St. to HORNUNG & BLAIR, and Adams St. to PATRICK CURTIN.

✚**Philadelphia, Penn.**—Contracts have been awarded for paving as follows: Fairmount Ave., with asphalt, UNION PAVING & CONSTRUCTION CO., Thirteenth and Locust St., $40,939; Pasayunk Ave., with wood block, EDWIN H. Vare, Lincoln Bldg., $98,004; Fourth and Fifth St., with wood block, to McNICHOL PAVING & CONSTRUCTION CO., 1923 Cherry St., at $9874 and $10,147 respectively.

Georgetown, Del.—The contract for constructing 20 miles of concrete road from Georgetown to Shelbyville will soon be awarded. Charles Upham is Engr.

✚**Baltimore, Md.**—The contract for paving Hillen, Gold and East St. has been awarded to P. FLANIGAN & SONS, at $34,447.

Bel Air, Md.—(Official)—Bids will be received until noon, Aug. 16, by the Commissioners of Harford County for constructing a section of State Aid road in Harford County, about 1.3 miles. W. A. Wheeler is Clk. of the Comrs.

Hagerstown, Md.—(Official)—Bids will be received until noon, Aug. 17, by the Commissioners of Washington County for constructing a section of State Aid highway in Washington County. Barry M. Hartle is Clk.

✚**Havre de Grace, Md.**—According to press reports the City Council has awarded a contract to the BALTIMORE BLOCK & TILE CO., at $4895, for paving a number of streets.

Princess Anne, Md.—(Official)—Bids will be received by the Commissioners of Somerset County until noon, Sept. . for constructing 2.01 miles of State Aid highway in Somerset County.

Independence, Va.—The Commissioners of Grayson County contemplate constructing 80 miles of road, at an estimated cost of $150,000.

✚**Broad Oaks, W. Va.**—(Clarksburg post office)—(Official)—The contract for grading, curbing and paving with brick on concrete base Bridge, Point, Harrison, Marshall, Main and Daisy St. and Buckhannon Pike has been awarded to CHARLES K. HOYT, Washington, D. C., at $32,322. Other bids were: Todd & Baker, $32,650; C. Kennedy & Sons, $32,866; Wayne Allen, $33,353; Keeley Bros., $34,895; Hoiner & Hoiner, $35,478. Noted June 24 and July 15.

Hinton, W. Va.—An election will be held Aug. 23 in Talcott District, Summers County, for the purpose of voting on the question of issuing $100,000 in bonds. Part of the proceeds will be used for constructing roads.

Bainbridge, Ga.—The Commissioners of Decatur County contemplate the construction of 100 miles of road, the estimated cost of which is $10,000.

Leesburg, Ga.—The Commissioners of Lee County plan to construct 15 miles of road. Bonds for the purpose were voted. Noted July 29.

Pinellas Park, Fla.—All bids received July 6 for paving various streets have been rejected. Noted July 1.

Cloverdale, Ala.—At a recent election the citizens voted in favor of issuing $30,000 in bonds, part of the proceeds of which will be used for improving streets.

✚**Huntsville, Ala.**—The City Commissioners have awarded the contract to the GULF PAVING CO., Chattanooga, Tenn., for paving West Clinton St.

Edwards, Miss.—At a recent election the citizens voted in favor of issuing $15,000 in bonds, the proceeds of which will be used for improving roads.

Jackson, Miss.—The citizens of the Second District of Hinds County voted in favor of issuing $15,000 in bonds, the proceeds of which will be used for constructing roads.

Hornbeck, La.—A special election will be held Aug. 17 to vote on the question of issuing $35,000 in bonds, the proceeds of which will be used for constructing roads in Sabine Parish Rd., District No. 3.

✚**New Orleans, La.**—(Official)—The contract for constructing a highway from the Rigolets to Chef Menteur has been awarded to A. G. THOMAS, New Orleans. Noted July 15 and Aug. 5.

Elizabethton, Tenn.—Press reports state that an election will be held Aug. 16 to vote on the question of issuing $365,000 in bonds, the proceeds of which will be used for constructing and improving roads in Carter County. Noted June 24.

Memphis, Tenn.—The City will pave South Main St. from Linden to Calhoun Ave. with wood block. J. H. Weatherford is City Engr.

Rutledge, Tenn.—Press reports state the Grainger County Court contemplates holding an election for the purpose of voting on the question of issuing $200,000 in bonds, the proceeds of which will be used for constructing roads.

Carrollton, Ky.—At an election held Aug. 5 the citizens voted in favor of issuing $50,000 in bonds, the proceeds of which will be used for the construction of roads.

Lexington, Ky.—An election will be held Sept. 30 to vote on the question of issuing $300,000 in bonds, the proceeds of which will be used for road construction in Fayette County.

✚**Louisville, Ky.**—The contract for improving 34th St. north of Broadway has been awarded to the AMERICAN STANDARD ASPHALT CO., at $28,500.

✚**Pineville, Ky.**—A contract for grading six miles of road from Pineville to Calvin has been awarded to GREEN, VANDEVER & PURSIFULL, Pineville.

Winchester, Ky.—The Commissioners of Clark County plan the reconstruction of two miles of road under State-Aid law. The approximate cost of the work is $28,000.

✚**Cincinnati, Ohio**—Contracts have been awarded for paving a portion of Marshall Ave. with macadam to C. W. DANENHOWER, at $11,428; Herbert Ave. with macadam to HENKEL & SULLIVAN, at $5550.

Columbus, Ohio—(Official)—Bids will be received until noon, Aug. 27, by the Board of Trustees of the Ohio State University for constructing the roadway in Neil Ave.

✚**Columbus, Ohio**—Contracts have been awarded by Clinton Cowen, State Highway Comr., for improving a number of highways in various counties, as follows: Belmont County, Section M, Barnesville-Hendrysburg Rd., 2.56 miles of brick to the OHIO VALLEY CONSTRUCTION CO., Cincinnati, $55,997. Licking County, Columbus-Millersburg Rd., 2.71 miles of water-bound macadam to LAMB & McNEAL, Thornville, $24,800. Lorain County, Section D, Milan-Elyria Rd., 4.4 miles of waterbound macadam to KNEPPER, BURR & JACOBS, Tiffin, $28,500. Shelby County, Section C, Sidney-Wapakoneta Rd., 2.75 miles of waterbound macadam to JOHN F. HIPSKIND, Richmond, $26,800. Trumbull County, Section P, Youngstown-Sharon Rd., 3.84 miles of bituminous macadam to EVANS & WALTERS, Hubbard, $37,973. Noted Aug. 5.

✚**Dayton, Ohio**—The contract for paving King and Church St. with trinidad lake asphalt has been awarded to the ANDREWS ASPHALT PAVING CO., Hamilton, at $42,340.

Dayton, Ohio—(Official)—Bids will be received until noon, Aug. 13, by James E. Barlow, Dir. Pub. Ser., for paving Grand Ave. with brick.

+Martins Ferry, Ohio—The contract for paving Adams St. from Broadway to Virginia St., Eighth St. from Hanover to Walnut St. and Catawba St. from Fayette to Vine St. has been awarded to ARCHER & SHAMMFELT, Bellaire.

Shaker Heights, Ohio—(Cleveland post office)—(Official)—Bids will be received until noon, Sept. 7, by C. A. Palmer, Village Clk., for improving Manchester Rd. from Coventry Rd. to South Woodland Rd. by grading, draining, curbing and paving with brick, concrete, asphalt or bituminous macadam and constructing sidewalks.

+Toledo, Ohio—Contracts have been awarded for paving Garnet St. to the ASPHALT BLOCK CO., $5189; Lennox St., North Richardson Drive, Cherry St., to the PETERS BROS., $8046; Miami St. to HARRIS & TANSEY, $15,525.

+West Alexandria, Ohio—The contract for paving Dayton and Main St. with brick on a 6-in. concrete foundation has been awarded to STROCTBECK BROS., Middletown, at $29,819.

+Auburn, Ind.—A contract for constructing a road on the Spencer-Concord Township line, De Kalb County, has been awarded to N. B. PERTMAN, Marion, at $19,897.

+Greenfield, Ind.—(Official)—A contract for constructing a gravel road in Center and Jackson Townships has been awarded to EVERETT McMAHAN, Fortville, Ind., at $7979.

+Jeffersonville, Ind.—A contract for building a road in Oregon Township has been awarded to WORLE & PASS, Sellersburg, Ind.

+Winchester, Ind.—A contract for constructing a road in Greene Township has been awarded to J. L. SINK, Bryant, at $12,296.

Deerfield, Mich.—(Official)—Bids will be received until Aug. 19 by Heman A. Pool, Township Clk., for constructing 12.5 miles of macadam road. Clarence Munson, Deerfield, is Township Highway Comr. Coleman & Tyler, Detroit, is Engr.

Howell, Mich.—Bids will be received until Aug. 17 by Lyle J. Pettibone, City Clk., for paving a portion of Grand River St. George Champs, Toledo, Ohio, is Engr.

Saginaw, Mich.—The City Council contemplates an expenditure of $150,000 for street pavement.

Joliet, Ill.—Bids will soon be received for paving Raynor Ave. from West Jefferson to Granite St. with asphaltic concrete. The estimated cost of the work is $20,000.

Woodstock, Ill.—(Official)—Bids will be received until 1 p.m., Aug. 14, by the Board of Local Improvements for constructing concrete pavements on Newell St., Madison St. and McHenry Ave. A. J. Olson is Pres. of the Bd.

+Glenwood, Iowa—A contract for improving certain streets has been awarded to SAMUEL FRIEDMAN, Omaha, at approximately $20,000.

+Mason City, Iowa—A contract for laying 16,000 sq.yd. of pavement and constructing 5500 lin.ft. of curb has been awarded to the BRYANT ASPHALT PAVING CO., Waterloo.

Shakopee, Minn.—Bids will be received until 11 a.m., Aug. 23, by A. J. Mayer, Audr. of Scott County, for improving State Road No. 13, at an estimated cost of $14,000.

+Ft. Scott, Kan.—(Official)—A contract for paving three miles of the Coleman Rd. with macadam has been awarded to C. A. SIMONS, Ft. Scott, at $9490. Other bids were: Coe & Emmerson, Ft. Scott, $9675; A. L. Cook, Ottawa, $9491. Noted July 8.

Newton, Kan.—Bids will soon be received for paving portions of First, South, Second, South Main and North Main St.

Olathe, Kan.—Bids will be received until Sept. 8 for improving 52nd St. W. J. Moore is County Clk.

Lincoln, Neb.—(Official)—Bids will be received until 2 p.m., Aug. 18, by H. E. Wells, County Clk., for paving in District No. 8.

Omaha, Neb.—Bids will soon be received for paving portions of 38th St. with asphalt, Hickory St. with brick and Hickory, 34th, Francis, Ninth and Miami St. and Frontenelle Blvd. with concrete.

Bozeman, Mont.—Press reports state that bids will be received by C. A. Spieth, City Clk., for grading, curbing and paving in District No. 104.

+Lewistown, Mont.—Contracts for paving in Special Improvement District No. 22 has been awarded to J. C. McGUIRE, at $8418, for concrete and at $10,427 for brick.

+De Soto, Mo.—The contract for reconstructing and improving parts of the Bonne Terre-De Soto Rd. has been awarded to the DE SOTO CONSTRUCTION CO., De Soto, at $10,240.

Excelsior Springs, Mo.—A special election will soon be held to vote on the question of issuing $150,000 in bonds, the proceeds of which will be used for constructing rock roads within a radius of 10 miles of Excelsior Springs.

+Kansas City, Mo.—A contract for paving 7450 sq.yd. of Cleveland Ave. from 31st to 35th St. with concrete has been awarded to the A. JAICKS PAVING CO., 510 American Bank Bldg., at $8258. Other bids were: E. F. Wilcox, 424 Dwight Bldg., $6258; Brown Bros., 11th and Muncie Blvd., Kansas City, Kan., $6301; F. P. McCormick, $6481; Kennedy Bros., 710 Midland Bldg., $6630; A. R. Mense, 4126 Norledge Pl., $6779; J. C. Lyle, 609 Grand Ave. Temple Bldg., $7156; James O'Connor & Son, 8000 East 11th St., $7156; M. J. Stack & Co., $7215; Cleveland Trinidad Paving Co., 1927 Vine St., $7599.

Maryville, Mo.—An election will be held Aug. 23 to vote on the question of issuing $35,000 in bonds. Part of the proceeds will be used for constructing roads.

+Conway, Ark.—A contract for constructing 5500 yd. of concrete pavement in District No. 2 has been awarded to HOLTER & McCULLOUGH, Conway, at $4551.

Perryville, Ark.—The Commissioners of Perry County contemplate the construction of 30 miles of road, at an estimated cost of $90,000.

Russellville, Ark.—At a recent election the citizens of Road Improvement District No. 1 voted in favor of issuing $150,000 in bonds, the proceeds of which will be used for constructing a macadam road from Russellville to Hector.

+Russellville, Ark.—A contract for constructing 26 miles of macadam road in Road District No. 1 has been awarded to W. C. JUCKSCH, Little Rock, at $100,000.

Houston, Tex.—(Official)—Bids will be received until 10 a.m., Aug. 16, by the Commissioners of Harris County for resurfacing the Wallisville Rd. from Cushing Ave. to Hunting Bayou.

Lampasas, Tex.—The City Council will construct about eight miles of concrete sidewalks.

Livingston, Tex.—At a recent election the citizens voted in favor of issuing $17,000 in bonds, the proceeds of which will be used for street improvements.

Port Lavaca, Tex.—At a recent election the citizens voted in favor of issuing $17,000 in bonds, the proceeds of which will be used for improving streets. Noted July 15.

Temple, Tex.—The City Council contemplates an expenditure of $200,000 for street paving.

Woodville, Tex.—An election will be held Aug. 28 to vote on the question of issuing $100,000 in bonds, the proceeds of which will be used for constructing and improving roads in Road District No. 1.

Eufaula, Okla.—An election will be held Aug. 20 to vote on the question of issuing $25,000 in bonds, the proceeds of which will be used for constructing roads.

Deming, N. M.—An election will be held Sept. 14 to vote on the question of issuing $100,000 in bonds, the proceeds of which will be used for constructing highways.

+Port Angeles, Wash.—A contract for grading and constructing concrete sidewalks in the eastern part of the city has been awarded to ANTONIO DELGUZZO and C. W. COIT, at $95,805.

+Seattle, Wash.—The contract for improving Permanent Highway No. 11 has been awarded to the ALBIEN ENGINEERING CO., American Bank Bldg., Seattle, at $40,328.

Hillsborough, Calif.—At a special election the citizens voted in favor of issuing $40,000 in bonds, the proceeds of which will be used for street improvements.

Los Angeles, Calif.—Press reports state that the City Council plans to pave Pacific Ave.

+Sacramento, Calif.—The City Commission has awarded a contract for street paving to the CLARK-HENERY CONSTRUCTION CO., at $10,000.

+San Francisco, Calif.—The Board of Public Works has awarded a contract for the paving of Vermont St. from 17th to Mariposa St., to FLINN & TREACY, at $7204.

Santa Barbara, Calif.—Press reports state an election will be held in Santa Barbara County, Aug. 30, to vote on the question of issuing $893,000 and $95,000 in bonds, the proceeds of which will be used for road improvements and constructing the Cuyuna Rd. respectively.

INDUSTRIAL WORKS

Boston, Mass.—Bids are being received for the construction of a $40,000 ice storage building for the Boston Ice Co. Mortensen & Co., 405 Lexington Ave., New York, N. Y., is Arch. and Engr.

Brockton, Mass.—The Diamond Shoe Co. plans the construction of a four-story, 40x175-ft. factory on Spark St., to cost $15,000. W. F. Barlow, 80 North Main St., is Arch.

+Greendale, Mass.—(Worcester post office)—The FISKE-CARTER CONSTRUCTION CO., 11 Foster St., has been awarded the contract for the construction of a one-story, 160x200-ft., brick and reinforced-concrete factory on New Bond St. for the Heald Machine Co. Lockwood, Green & Co., 60 Federal St., Boston, Mass., is Engr.

+Holyoke, Mass.—The contract for the construction of an addition to the plant of the American Writing Paper Co., Main St., has been awarded to the CASPER-RANGER CONSTRUCTION CO.

Lowell, Mass.—The Wamesit Power Co. will build a 173x185-ft. reinforced-concrete garage at Watson and Whipple St. The estimated cost is $12,000.

Lowell, Mass.—The Waterhead Mills, Lawrence St., will build a four-story, 52x83-ft. addition to its plant to cost $20,000.

+Springfield, Mass.—FRED T. LEY CO. has been awarded the contract for the construction of a one-story brick and steel storehouse for the New England Westinghouse Co. The estimated cost is $37,000.

+Springfield, Mass.—The Somers Creamery Co. has awarded the contract for the construction of a two-story brick plant on Locust St. to E. F. CARLSON, 106 Granada Terrace. The estimated cost is $70,000. B. E. Geckler, 335 St. James Ave., is Arch.

Bridgeport, Conn.—The Lake Torpedo Boat Co. has purchased a 22-acre site and plans the construction of a plant for the manufacture of submarines.

Bridgeport, Conn.—The Bridgeport Brass Co. plans the construction of a one-story addition to its plant to cost approximately $70,000.

+Hartford, Conn.—A. L. HILLS, 847 Main St., has been awarded the contract for the construction of a four-and-one-half-story, 83x129-ft. brick storehouse on Main near Windsor St. for Garber Bros., Pleasant St. George Zunner is Arch. The estimated cost is $30,000. Noted Mar. 25.

New Haven, Conn.—(Official)—Bids will be received until Sept. 1 by R. W. Foote, Arch., 424 Chamber of Commerce Bldg., for the construction of a three-story, 60x75-ft. brick and steel garage for Cowles Tolman. Noted Aug. 5.

Buffalo, N. Y.—Revised bids are being received for the construction of a three-story, 30x150-ft. storehouse for Adam J. Menges, 224 Washington Market. Joseph J. Geigand, 346 Herman St., is Arch. The estimated cost is $12,000. Noted July 1.

+New York, N. Y.—(Borough of Brooklyn)—THE NATIONAL BRIDGE WORKS, 1123 Broadway (Borough of Manhattan), has been awarded the contract for the construction of a one-story, 100x150-ft. reclaiming plant for the By-Products Reclaiming Co., 129 Front St. The estimated cost is $10,000.

✚Niagara Falls, N. Y.—The MONARCH ENGINEERING CO., Chamber of Commerce Bldg., Buffalo, N. Y., has been awarded the contract for the construction of storage bins for the Shredded Wheat Co. The estimated cost is $20,000.

✚North Tonawanda, N. Y.—The Buffalo Bolt Co. has awarded the contract for the construction of additions to its plant at Oliver St. and the New York Central and Erie R.R. tracks, to MORRIS & ALLEN, Builders Exchange, Buffalo, N. Y. The estimated cost is $250,000.

Peekskill, N. Y.—Bids were received for the construction of a storage house at the State Camp, as follows: Wiberley & Baxter, Peekskill, $22,896; F. E. Young, Syracuse, $25,588; James C. Nolan, Albany, $23,940; Alba Building Co., Albany, $26,587; Peekskill Construction Co., Peekskill, $27,437; Catskill Supply Co., Catskill, $19,890; Peter Keeler Building Co., Albany, $24,522; L. F. Bannon Plumbing & Heating Co., Kingston, $19,966.

✚Port Chester, N. Y.—F. R. Davis, Mgr., Wilford Hall Laboratories, has awarded the contract for the construction of a three-story, 83x103-ft. chemical factory to SULLIVAN & McNALLY, Paterson, N. J. Noted Apr. 22 and 29.

✚Split Rock, N. Y.—The Semit Solvay Co. has awarded the contract for the construction of two storage buildings to T. H. McHALE & SON, Cahill Bldg., Syracuse, N. Y. Taylor & Bonton, Gurney Bldg., Syracuse, N. Y., is Arch.

Tarrytown, N. Y.—Bids will soon be received for the construction of a two-story factory for the Chevrolet Automobile Co. W. C. Durant, 816 11th St., New York, N. Y., is Pres. The estimated cost is $40,000.

✚West Sand Lake, N. Y.—The contract has been awarded to J. J. FINN & SONS, Albany, N. Y., for the construction of a three-story, 66x110-ft. factory for the McLaren Knitting Co. C. G. Ogden, 159 State St., Albany, N. Y., is Arch. Noted June 24.

Absecon, N J.—The contract will soon be awarded for the construction of a two-story, 50x150-ft. and a one-story, 50x70-ft. building for the Acme Film Producing Co., care of A. Jacoby, Sheen Bldg., Atlantic City, N. J. J. Vaughn Mathis, Guarantee Trust Bldg., Atlantic City, is Arch. The estimated cost is $25,000.

✚Bound Brook, N. J.—The Cott-a-lap Co., Somerville, N. J., has awarded the contract for the construction of three 40x80-ft. buildings adjoining the Central R.R. to RUNYON FIELD.

Bound Brook, N. J.—The Independent Chemical Co., 72 Front St., New York, N. Y., plans the construction of a factory fronting on the Central R.R. Warren C. King is Pres.

Hammondton, N. J.—The contract will soon be awarded by Charles H. Strunk, Treas., Figueroa Cut Glass Co., for the construction of a two-story, 32x110-ft. factory to cost $12,000. William S. Hewitt, Guarantee Trust Bldg., Atlantic City, N. J., is Arch.

✚Newark, N. J.—(Official)—J. Wiss & Sons Co., 31 Littleton Ave., has awarded the contract for the construction of a four-story, 50x75-ft. addition to its plant to EUSTICE BROS., 45 Clinton St. The estimated cost is $15,000. Frederick A. Phelps is Arch.

Plainfield, N. J.—The Sauer Motor Co. plans the construction of a two-story, 120x120-ft. brick and concrete addition to its plant, to cost $30,000. John G. Brown, Witherspoon Bldg., is Arch. Noted May 6 and May 20.

Trenton, N. J.—The Hill Refrigerator Co. will soon award the contract for the construction of a one-story, 100x500-ft. plant, at an estimated cost of $40,000. Abram Swan, Jr., Broad Street Bank Bldg., is Arch.

Philadelphia, Penn.—The L. H. Gilmer Co., 52 North Seventh St., plans the construction of a two-story, 50x150-ft. factory. The estimated cost is $25,000. Bart Tourison, Land Title Bldg., is Arch.

Philadelphia, Penn.—John Scott & Co. will build a four-story, 50x122-ft. warehouse at American and Diamond St.

✚Philadelphia, Penn.—BARCLAY, WHITE & CO., Perry Bldg., has been awarded the contract for the construction of a one- and two-story, 50x480-ft. freight house for the Pennsylvania R.R. Co. William H. Cookman, Broad St. Station, is Arch. The estimated cost is $75,000.

Philadelphia, Penn.—The Walls Ice Mfg. Co. will build a two-story, 100x100-ft. factory at Ninth and Master St.

Philadelphia, Penn.—The contract will soon be awarded for the construction of a one-story, 142x165-ft. factory at Ninth and Bailey St. for the Wood Mfg. Co. Peuckert & Wunder, 310 Chestnut St., is Arch.

Reading, Penn.—(Official)—Bids are being received by William S. Markley for the construction of a $50,000 plant at Penn and Queen St. Noted July 29.

✚Baltimore, Md.—THE CONSOLIDATED ENGINEERING CO., Calvert Bldg., has been awarded the contract for the construction of two one-story, 52x86-ft. factories. The estimated cost is $15,000. James R. Edmunds, Jr., 12 East Read St., is Arch.

✚Baltimore, Md.—The C. J. Youse Co., Inc., 23-25 South Gay St., has awarded the contract for the construction of a three-story, 100x130-ft. factory to WALTER E. BURNHAM, 403 Law Bldg. Archer & Allen, 3 East Lexington St., is Arch. The estimated cost is $50,000.

Alexandria, La.—The Federal Oil & Refining Co. will build a refinery, estimated to cost $120,000. W. W. Whittington, Mayor of Alexandria, is Pres.

Maysville, Ky.—The Independent Loose Leaf Tobacco Co. contemplates the construction of a one-story warehouse to cost $15,000. W. H. Robb is Secy.

Maysville, Ky.—The Maysville Cotton Mills plans the construction of a one-story warehouse to cost $10,000. R. A. Cochran, 237 West Second St., is Secy.

Ashland, Ohio—Hess & Clark plans the construction of a three-story, 55x90-ft. factory to cost $30,000. Vernon Redding, 301 Bird Bldg., is Arch. W. Thomas is Mgr.

Cincinnati, Ohio—The City Ice Delivery Co., Canal and Race St., will build a two-story, 100x100-ft. ice plant to cost $[illegible],000. Lester Blair is Secy. B. T. Wisenall, 518 First National Bank Bldg., is Arch.

✚Cincinnati, Ohio—The H. & S. Pogue Co., Fourth and Race St., has awarded the contract for the construction of a $[illegible],000 addition to its warehouse to the STONE WEBSTER ENGINEERING CO. Hake & Kuck, Telephone Bldg., is Arch.

Cincinnati, Ohio—The R. K. Le Blond Machine Tool Co., 4609 Eastern Ave., plans the construction of a plant near the Norfolk & Western Ry. to contain 500,000 sq.ft. of floor space. Zettel & Rapp, Johnston Bldg., is Arch.

Cleveland, Ohio—The Halle Bros. Co. has purchased a site at East 22nd and Chester St., and plans the construction of a storage building. Estimated cost, $50,000.

Cleveland, Ohio—The Lederer Milling Co., 6318 Kinsman Rd., S. E., will build a mill on Riverbed St., to cost about $200,000.

Cleveland, Ohio—Plans have been prepared by Marriott, Allen & Hall, Arch., Hayden-Clinton Bldg., Columbus, Ohio, for the construction of a two-story laundry at the Cleveland State Hospital. The estimated cost is $40,000.

Cleveland, Ohio—Plans have been completed by the Forest City Engineering Co., 515 Hippodrome Bldg., for the construction of a warehouse at Lakeside and East 22nd St. for the Union Paper & Twine Co., 115 St. Clair Ave. Estimated cost, $100,00.

✚Cleveland, Ohio—(Official)—The contract for the construction of a five-story, 200x200 ft., brick and reinforced-concrete factory for the B. F. Goodrich Co., Akron, Ohio, has been awarded to the CARMICHAEL CONSTRUCTION CO., Akron, Ohio. The Osborn Engineering Co., 740 Engineers Bldg., is Arch. Noted July 22.

Greentown, Ohio—The Greentown Aluminum Co. will build a one-story, 36x114-ft. factory to cost $10,000. G. B. Townsend is Secy. W. C. Owen & Co., 449 Leader-News Bldg., is Arch.

✚Detroit, Mich.—The contract for the construction of a four-story factory at McKinstry Ave. and the Wabash R.R. for the Paige-Detroit Motor Car Co., has been awarded to the ALBERT A. ALBERECHT CO. John Scott & Co. is Arch.

✚Detroit, Mich.—The contract for the construction of a two-story factory at East Grand Blvd. and Oakland Ave. for the Schlieder Mfg. Co., 45 East Fort St., has been awarded to W. S. POCOCK. Preston, Brown & Walker, is Arch. Noted July 15.

Grand Rapids, Mich.—Bids are being received by George T. Appleyard, Arch., 415 Widdicomb Bldg., for the construction of a two-story, 111x165-ft. warehouse for Walter Clark, Ionia and Prescott St.

✚Chicago, Ill.—The contract for the construction of a five-story addition to the warehouse of Anderson Bros., 945 Belmont Ave., has been awarded to the H. D. MORELAND CO., 105 North Clark St. S. H. Dunford, 10 South La Salle St., is Arch. Noted June 24.

Chicago, Ill.—Bids are being received by George C. Nimmons, Arch., 122 South Michigan Ave., for the construction of a six-story addition to the printing building of Sears, Roebuck & Co.

Chicago, Ill.—The Union Transfer, Storage & Bldg. Co., recently incorporated, will build a six-story, 95x160-ft. reinforced-concrete storage building on East Wilson St. Moores & Dunford is Arch.

Milwaukee, Wis.—The Phoenix Knitting Co. plans the construction of a $40,000 plant at Jackson and Chicago St.

✚Sioux City, Iowa—DUBEL & ANDERSON, 514 Jackson St., has been awarded the contract for the construction of a three-story, 40x126-ft. brick factory at Perry Creek and West Third St. for L. W. Mallory. The estimated cost is $20,000.

✚Sioux City, Iowa—The contract for the construction of a two-story, 84x150-ft. warehouse for W. L. Ogden, 307 Pearl St., has been awarded to HOUX & SON, Second and Water St. F. E. Colby, 510 Davidson Bldg., is Arch. The estimated cost is $10,000.

✚Minneapolis, Minn.—C. H. Wheeler & Son, 820 Palace Bldg., has awarded the contract to JAMES LECK & CO., 311 South Seventh St., for the construction of a six-story warehouse.

Omaha, Neb.—Plans have been prepared by Albert Kahn, Arch., 58 La Fayette Ave., Detroit, Mich., for the construction of a six-story, 130x160-ft. reinforced-concrete assembling plant at 16th and Cumming St. for the Ford Motor Co., Detroit, Mich. The estimated cost is $275,000.

✚Omaha, Neb.—The National Printing Co., 509 South 12th St., has awarded the contract for the construction of a plant to KIENE & MAYSTRICK. The estimated cost is $40,000. W. E. Stockham, 426 Range Bldg., is Arch. Noted June 17.

Kansas City, Mo.—The Shukert Fur Co., 1113 Grand Ave., will soon start work on the construction of a five-story, 75x166-ft. brick warehouse on Warwick Blvd., to cost $32,000, and a four-story, 75x115-ft. brick warehouse on Walnut St., to cost $25,000. E. Shukert is in charge.

✚Kansas City, Mo.—The Bachelor Laundry, 2028 Broadway, has awarded the contract for the construction of a two-story, 50x120-ft. brick laundry to S. D. EICHE, 3035 Flora Ave., at $20,000. Madorie & Birdsall, 832 Reserve Bank Bldg., is Arch. Noted June 17.

✚Kansas City, Mo.—The contract for the construction of a two-story, 32x137-ft. brick building at 2-4-6 West 27th St. for the Higby Cleaning & Dyeing Co., Lincoln, Neb., has been awarded to the GEORGE H. SIEDHOFF CONSTRUCTION CO., 301 Finance Bldg. Smith, Rea & Lovitt, 601 Finance Bldg., is Arch.

Kansas City, Mo.—Bids are being received by J. Oliver Hogg, Arch., 946 New York Life Bldg., for the construction of a two-story, 49x117-ft. warehouse for the Freeman & Duncan Realty & Transfer Co.

Houston, Tex.—Plans have been prepared by Moore & Dunford, Arch., Chicago, Ill., for the construction of an eight-story, 160x365-ft. warehouse for the Houston Terminal Warehouse Co., A. F. Coleman is Mgr. The estimated cost is $800,000.

Laredo, Tex.—Samuel Mackin, Mgr., Consumers' Ice Co., is receiving bids for the construction of a two-story, 50x75-ft. ice and cold-storage plant. The estimated cost is $12,000. The McCandlish Engineering Co., 724 Midland Bldg., Kansas City, Mo., is Arch.

San Benito, Tex.—Plans have been prepared for the construction of a $15,000 plant for the San Benito Creamery Co.

Salt Lake City, Utah—The Jennings-Hanna Investment Co. will build a three-story, 137x166-ft. reinforced-concrete warehouse at Second and South St., at an estimated cost of $90,000. A. Kletting is Arch.

Seattle, Wash.—The Carstens Packing Co. will build a four-story, 100x500-ft. warehouse at an estimated cost of $50,000. P. S. Coombs & Son is Arch.

✚San Francisco, Calif.—The American Can Co., Mills Bldg., has awarded the contract for the construction of a plant at Kentucky and 22nd St. to the LINDGREN CO., at $199,000. Noted Feb. 18.

Regina, Sask.—The Robert Simpson Co., Toronto, Ont., will build a warehouse at an estimated cost of $150,000.

Chatham, Ont.—The Defiance Iron Works will expend $20,000 for improvements to its plant.

Toronto, Ont.—The Canada Metal Co., Fraser Ave., will build a $15,000 addition to its factory.

Toronto, Ont.—The Dunlop Tire Co. will build a three-story addition to its factory, to cost $30,000.

FEDERAL GOVERNMENT WORK

Steerage Barracks and Storehouse—Portland, Maine—Bids will be received until 3 p.m., Sept. 2, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for constructing complete the steerage barracks and storehouse for the U. S. quarantine station at Portland.

Hot-Water System—Newport, R. I.—Bids will be received until 11 a.m., Aug. 28, by William M. Smith, Act. Ch. of Bureau, Yards and Docks, Navy Dept., Washington, D. C., for installing a hot-water piping system at the naval hospital, Newport.

Buildings—Ft. Mifflin, Penn.—Bids will be received until 11 a.m., Aug. 21, by William M. Smith, Act. Ch. of Bureau, Yards and Docks, Navy Dept., Washington, D. C., for constructing buildings at the U. S. naval magazine, Ft. Mifflin.

Mechanical Equipment—Baltimore, Md.—Bids will be received until 3 p.m., Aug. 31, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for mechanical equipment, except elevators, for the U. S. immigration station.

★Steel Cylinder Gates—Washington, D. C.—Bids will be received until 2 p.m., Sept. 2, by A. P. Davis, Ch. Engr., U. S. Reclamation Service, Washington, for furnishing four steel cylinder gates and accessories for the spillway at Elephant Butte Dam, Rio Grande project, New Mexico and Texas.

✚Mechanical Equipment—Washington, D. C.—Contracts have been awarded for mechanical equipment for the Interior Department Building as follows: JOHN H. PARKER CO., mechanical equipment, WILLIAM GORDON CORP., elevators. Noted July 29.

★Dredging—Norfolk, Va.—Bids were received Aug. 4, by the Engineer Officer, Norfolk, for dredging inland waterway from Norfolk to Beaufort Inlet, N. C., a total of 850,000 cu.yd., place measurement, as follows: Norfolk Dredging Co., Norfolk Dredging Co., Norfolk, 19.65c.; Day & Zimmerman, 611 Chestnut St., Philadelphia, Penn., 20c.; Atlantic, Gulf & Pacific Co., Park Row Bldg., New York, N. Y., 21.9c.; Maryland Dredging & Contracting Co., Fidelity Bldg., Baltimore, Md., 23½c.; F. Sanford Ross, Inc., Jersey City, N. J., 14c.; Coastwise Dredging Co., Norfolk, 15¼c.; Central Dredging Co., Cleveland, Ohio, 17½c.; and Bowers Southern Dredging Co., Galveston, Tex., 16c. Noted July 8.

✚Post Office—Opelika, Ala.—The contract for the construction of a post office at Opelika has been awarded to GEORGE A. CLAYTON, Atlanta, Ga., at $84,364. Noted June 10 and July 22.

★Shore Protection—Rock Island, Ill.—Bids were received July 31 for shore-protection work on various sections of the Mississippi River. Low bidders were as follows: Kirchner Contracting Co., Dubuque, Iowa; Builders' Sand & Gravel Co., Davenport, Iowa; A. V. Fetter Co., Quincy, and J. W. McMurry Contracting Co., Kansas City, Mo. Noted July 8.

Post Office—Ft. Atkinson, Wis.—The low bidder for constructing a post office at Ft. Atkinson is the Clark Construction Co., Danville, at $39,350 for limestone and $41,100 for sandstone. Noted July 1.

★Earth Work—Ft. Laramie, Wyo.—Bids will be received until 2 p.m., Sept. 8, by A. P. Davis, Ch. Engr., U. S. Reclamation Service, Tramway Bldg., Denver, Colo., for constructing earthwork on about ten miles of main canal at Ft. Laramie unit.

Floors—St. Louis, Mo.—Bids will be received until 3 p.m., Sept. 1, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for constructing new terrazzo floors in the U. S. post office at St. Louis.

★Screening and Weatherstripping—Ft. Bliss, Tex.—Bids will be received until 11 a.m., Sept. 2, by the Quartermaster, El Paso, for screening and weatherstripping for about 35 quarters and barracks at Ft. Bliss.

Post Office and Court House—Tulsa, Okla.—Bids will be received until 3 p.m., Sept. 27, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for constructing complete the U. S. post office and court house at Tulsa.

Buildings—Bremerton, Wash.—Bids will be received until 11 a.m., Sept. 11, by William M. Smith, Act. Ch. of Bureau, Yards and Docks, Navy Dept., Washington, D. C., for constructing buildings at the Naval Magazine, Puget Sound.

Wharf Extension—San Francisco, Calif.—Bids will be received until 11 a.m., Aug. 21, by H. R. Stanford, Ch. of Bureau, Yards and Docks, Navy Dept., Washington, D. C., for extending the wharf at the Naval training station, San Francisco.

Freight Elevators—Pearl Harbor, Hawaii—Bids will be received until 11 a.m., Aug. 28, by William M. Smith, Act. Ch. of Bureau, Yards and Docks, Navy Dept., Washington, D. C., for installing three hydro-pneumatic freight elevators at the Naval station.

Miscellaneous Supplies—Panama—Bids will be received until 10:30 a.m., Aug. 13, by Maj. F. C. Boggs, Gen. Pur. Agt., Panama Canal, Washington, D. C., for furnishing miscellaneous supplies.

Miscellaneous Supplies—Panama—Bids will be received until 10:30 a.m., Aug. 20, by Maj. F. C. Boggs, Gen. Pur. Agt., Panama Canal, Washington, D. C., for furnishing miscellaneous supplies.

MISCELLANEOUS

✚Dredging—Boston, Mass.—According to press reports the contract for dredging about 15,000 cu.yd. in the Abejona River has been awarded to COLEMAN BROS., Chelsea, at $13,500. Noted July 22.

✚Dredging—Boston, Mass.—The contract for dredging at Wellfleet, Barnstable and Nobscussett Harbors, has been awarded to JOHN H. GERRISH. Noted Aug. 5.

✚Enlarging Breakwater—Boston, Mass.—The contract for enlarging the breakwater at Vineyard Haven Harbor, Tisbury, has been awarded to the BAY STATE DREDGING CO., LTD., 247 Atlantic Ave., Boston, at $1.34 for each ton and $5 for each clamp. Other bids were from Rockport Granite Co., $1.43; $5.60, and E. S. Belden & Sons, $1.43; $7. William F. Williams, State House, is Ch. Engr.

✚Coal Pocket—Boston, Mass.—(Correction)—We have been advised by Adolph Suck, Consult. Engr., Hyde Park, that the following contracts have been awarded in connection with the construction of the coal pocket for Batchelder Bros.: Foundations to W. A. NORTON CO., South Boston; steel structure, BOSTON BRIDGE WORKS; machinery contract, JOHN H. PROCTOR CO., Boston. Noted July 29.

✚Coal Pocket—Palmer, Mass.—(Official)—The contract for the construction of the reinforced-concrete coal pocket at Palmer has been awarded to the FLYNT BUILDING & CONSTRUCTION CO., Palmer, Mass. Adolph Suck, Arlington St., Hyde Park, Mass., is Consult. Engr.

Guard Railing—Hartford, Conn.—Bids will be received by Charles J. Bennett, State Highway Comr., until 2 p.m., Aug. 16, for constructing about 14,264 lin.ft. of standard wood guard railing.

River Improvement—Jamestown, N. Y.—Plans are being prepared by F. P. Williams, Rochester, Division Engr., State Dept. of Pub. Works, for improving the Chadokoin River. An appropriation of $100,000 has been made for the work. Frank M. Williams is State Engr.

Elimination of Grade Crossing—New York, N. Y.—(Borough of Bronx)—(Official)—At a joint meeting of the First and Second Districts of the Public Service Commission an order was passed providing for the removal of grade crossings and other obstructions on the lines of the New York & Harlem R.R. (New York Central) and the New York, New Haven & Hartford R.R. near 241st St. It also orders a shifting of the tracks and the construction of a viaduct to carry the street. The New York & Harlem Co. is ordered to construct a new station at 241st St. The entire cost, except that of the construction of the new viaduct, shall be paid by the railroad companies, the cost of the viaduct being apportioned according to the provisions of the Railroad Law.

✚Field House—New York, N. Y.—(Borough of Brooklyn)—(Official)—The contract for the general construction and completion of a field house at the Betsy Head Memorial Playground, Brownsville, has been awarded to T. J. BUCKLEY, 303 Fifth Ave., New York, at $14,995. Noted June 24 and July 8.

Dredging—New York, N. Y.—(Borough of Brooklyn)—(Official)—The following are the bids received for dredging in Newtown Creek Canal at and in the canal and basin included within the boundaries of Johnson, Montrose, Morgan Ave. and Varick Ave., also in the Stagg St. basin, and in Newtown Creek near the intersection of Scott and Metropolitan Ave.: William Beard, $7500; R. G. Packard, $7800; John & Joseph McSpirit, 118 Wayne St., Jersey City, N. J., $7200. Noted July 29.

Riprap—New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received by Cabot Ward, Pres. Park Board, until 3 p.m., Aug. 19, for furnishing and placing 10,000 tons of riprap along the Shore Road, between Latting Place and Ft. Hamilton.

Fence—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 3 p.m., Aug. 19, by Cabot Ward, Pres. Park Board, Municipal Bldg., for erecting a wrought-iron fence and settling artificial granite gate posts around Morningside Park.

Road Supplies—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by Cabot Ward, Pres. Park Board, until 3 p.m., Aug. 19, for furnishing and delivering the following: 75,000 gal. of refined coal tar; 75,000 gal. of tar road oil; 5500 cu.yd. of trap-rock screenings; 3000 cu.yd. of grits.

Duct Line—New York, N. Y.—(Official)—The following are the bids received by the Public Service Commission for the construction of the duct line for the Queensboro Rapid Transit railroad: Goodwin Contracting Co., $45,750; James A. McElroy, $50,617; Kingsbridge Contracting Co., $42,000; Soraci Contracting Co., $42,897; James O'Leary, $54,000; Thomas Crimmins Contracting Co., $49,948; T. H. Reynolds Construction

Co., $45,416; E. C. Moore, (no total); J. M. Gest, $52,000; W. A. Mitchell, $39,000; Beaver Engineering Co., $38,918; Hanover Contracting Co., $39,000; Knight & DiMicoo, 4441 Park Ave., New York, $38,887; H. E. Fox Construction Co., $43,000.

★**Subway Station**—New York, N. Y.—(Borough of Queens)—(Official)—The following are the bids received by the Public Service Commission for the construction of the station finish on Section No. 2, Route Nos. 36 and 37 of the Astoria Elevated R.R.: Charles Meads & Co., 38 Park Row, New York, $268,102; Snare & Triest Co., $274,096; Simon Russek, Inc., $285,250. Noted July 15.

★**Plumbing and Drainage**—Ossining, N. Y.—(Official)—Bids will be received by John B. Riley, Supt., State Prisons, Capitol, Albany, until 2:30 p.m., Aug. 20, for plumbing and drainage in the power house at Sing Sing prison.

Park Improvements—Jersey City, N. J.—The Board of Chosen Freeholders of Hudson County has sold $300,000 in bonds for the construction and improvement of county parks.

✚**Stone Wall**—Ford City, Penn.—The contract for constructing about 3000 ft. of stone wall along the Allegheny River, for the Pittsburgh Plate Glass Co., has been awarded to the FOUNDATION CO., Woolworth Bldg., New York, N. Y.

✚**Plaza**—Philadelphia, Penn.—The contract for constructing the Broad St. plaza, has been awarded to E. H. VARE, Lincoln Bldg., at $123,000. Noted June 24 and July 22.

✚**Steamers**—Wilmington, Del.—The contract for the construction of two tank steamers, for the Standard Oil Co., and one steamer for the Wilson Line, has been awarded to the HARLAN & HOLLINGSWORTH CORPORATION, Wilmington. The estimated cost is $1,250,000.

Drainage—Anderson, S. C.—The Drainage Commissioners of Rocky River Drainage District No. 1 have sold $19,500 in drainage bonds. Watkins & Allen, Bleckley Bldg., Anderson, is Attorney.

Motor Fire Apparatus—Atlanta, Ga.—The City Council has decided to hold an election to vote on the issuance of $133,500 in bonds for the purchase of motor fire apparatus.

✚**Pier and Warehouse**—Augusta, Ga.—The contract for constructing a reinforced-concrete pier and warehouse has been awarded by the City Council to the GEORGIA CONTRACTING CO., Augusta, at $27,958. Nisbet Wingfield is City Engr.

Wharf Improvement—Jacksonville, Fla.—(Official)—Contracts will soon be awarded for the construction of about 6074 lin.ft. of wharf front at Commodores Point on the St. Johns River, for the Commodores Point Terminal Co. The wharves will be of the longitudinal type, paralleling the channel. The improvement includes 304 lin.ft. of wooden construction, 700 lin.ft. of steel sheet piling, and about 5070 lin.ft. of concrete steel. All the frontage will be filled in solid with sand dredged from the St. Johns River. The river will be dredged to 30 ft. along the face of the wharves and to 12 ft. in the slip at each end. The top of the fill will be 4 ft. above mean low tide. Herbert D. Mendenhall, 216 Parker St., Jacksonville, is Consult. Engr.

Excavation—Palm Beach, Fla.—Press reports state that bids will be received by the Florida East Coast Hotel Co. for 5000 to 15,000 cu.yd. rock excavation, 30,000 to 80,000 cu.yd. muck and sand excavation, 160,000 cu.yd. hydraulic sand fill (suction works). J. R. Brooks, Palm Beach, is Engr. in Charge.

★**Drainage Work**—Tallahassee, Fla.—(Official)—Bids will be received by the Board of Commissioners, Everglades Drainage District, until 10 a.m., Aug. 24, for the construction of three locks and drains.

Drainage—Abbeville, Miss.—At a recent election the citizens voted in favor of a bond issue of $21,000 for the drainage of several thousand acres in Younds Coulee Drainage District.

Drainage—Gueydan, La.—Preliminary plans and surveys for the construction of ditches, etc., for the drainage of 65,000 acres of low land here are being made. W. V. Reed, City Engr., Morgan City, La., is Superv. Engr. Noted Aug. 5 under Corydon, Iowa.

Levees—New Orleans, La.—Bids will be received by the State Board of Engineers, until Aug. 19, for levee work in various districts.

Levee—Greenville, Miss.—Bids will be received by A. L. Thompson, Ch. Engr., Board of Mississippi Levee Commissioners, until Aug. 17 for levee work, as follows: Upper Vermillion Spur Enlargement, 24,000 cu.yd.; Black Bayou Spur Enlargement, 7000 cu.yd.; Upper Avon Banquette Enlargement, 23,000 cu.yd.; Lower Avon Banquette Enlargement, 20,000 cu.yd.; Moon Lake Enlargement, 200,000 cu.yd.; Mayersville to Baleshed Enlargement, 262,000 cu.yd.

✚**Raising Steamer**—Chicago, Ill.—The contract for raising the steamer "Eastland," which recently capsized in the Chicago River, has been awarded to the DUNHAM TOWING & WRECKING CO., Chicago, at $34,500.

Firebont Hull—Cleveland, Ohio—Bids will be received until Aug. 25, by A. A. Benesch, Dir. of Pub. Ser., City Hall, for the construction of a hull for the fireboat, "Clevelander." The estimated cost is $26,000.

Park Improvements—Cleveland Heights, Ohio—(Warrensville post office)—Bids will be received by H. H. Canfield, Clk., until noon Sept. 7, for the purchase of $100,000 in bonds for the improvements of parks.

✚**Memorial**—Niles, Ohio—The contract for the construction of a memorial to President William McKinley has been awarded to JOHN A. PARKER CO., 315 Fourth Ave., New York, N. Y., at about $240,000. Georgia marble will be used in the construction.

Park Improvements—Rocky River, Ohio—An election will be held in November, to vote on issuing $35,000 in bonds for park improvements.

Channel—East St. Louis, Ill.—It is reported that bids will be received by the East Side Levee and Sanitary District for constructing a channel for Cohokia Creek. The work requires about 115,000 cu.yd. of excavation and the clearing of about 20 acres. G. T. Tarlton is Pres.

Piers, Etc.—Evanston, Ill.—Bids will be received by John H. Moore, Comr. of Pub. Works, until Aug. 16, for the construction of 18 piers. Noted June 3.

Improvement to Creek—Sioux City, Iowa—The Board of Supervisors has decided to deepen and widen Wolf Creek, for a distance of two miles. The estimated cost is $17,0[illegible].

✚**Ditches**—Marshall, Minn.—Contracts have been awarded to the following by the County Commissioners for ditch construction: Ditch 15, to HECTOR COOLSAER, Marshall, at $9038; Ditch 16 and Ditch 13 (tile work), to ANDERSON & ARTHUR, Tracy, at $55,600 and $18,047 respectively; Ditch 13 (open work), to AJAX DREDGE CO., Glencoe, at $6800. E. S. Shepard is County Audr. Noted July 22.

Ditch—Montevideo, Minn.—Bids will be received by J. J. Stennes, Audr., until 2 p.m., Aug. 18, for constructing Ditch No. 18. The cost will be about $29,000.

✚**Ditches**—Windom, Minn.—The following contracts have been awarded by the County Commissioners for the construction of ditches: No. 9 to L. P. ALEXSEN, Clear Lake, Iowa, at $110,000; No. 13 to JOHN PEDERSEN, Clear Lake, Iowa, at $3417; No. 14 to MICHELS & SANDLIN, Bingham Lake, at $5145, and HADLEY & FLAHERTY, Ft. Dodge, Iowa, at $13,841. S. A. Brown is County Audr.

✚**Barge**—Kansas City, Kan.—The contract for constructing a barge for the Kaw Valley Drainage Board has been awarded to the MORRISON MACHINE WORKS, Baldwinsville, N. Y., at about $65,000. A subcontract has been let to GEORGE GEDNEY, Kansas City.

✚**Levees**—Dumas, Ark.—The contract for about 350,000 cu.yd. of levee work in the Linwood and Auburn Levee District has been awarded to LANA BROS., Dumas, at 14.5c. per cu.yd. The cost is about $60,000. Gus. Waterman is Chn. of the Board.

✚**Levee**—McGhee, Ark.—The contract for about 345,000 cu.yd. of levee work, has been awarded by the Commissioners of Red Ford. Levee District to DENNISON & RODGERS BROS., Memphis, Tenn., at 13.75c. per cu.yd. Noted June 17.

✚**Levees**—Pine Bluff, Ark.—The contract for the construction of four miles of levees at Farrelly Lake has been awarded to HALLECK & YHOM, Little Rock, Ark., at $35,000.

Levee—Ft. Worth, Tex.—F. J. Von Zuben, City Engr., is preparing plans for the construction of the proposed levee around the city pumping plant. It is estimated to cost $16,000.

Wharves, Docks, Etc.—Orange, Tex.—At a recent election the citizens voted in favor of issuing $150,000 in bonds for the construction of municipal wharves, docks, schools, and for the improvements of streets. Noted June 17.

Drainage—Corinne, Utah—Bids will be received until Aug. 21, by the Board of Supervisors, for about eight miles of open ditches. W. M. Bostaph, 204 Kearns Bldg., Salt Lake City is Engr. C. G. Adney is Secy. of Drainage District.

Ditch—North Yakima, Wash.—According to press reports, the Yakima County Commissioners will soon hold an election to vote on issuing $50,000 in bonds for the purpose of constructing two branches to the present West Side drain. O. E. Brashears is County Engr.

Coal Bunkers—Seattle, Wash.—Plans for construction of coal bunkers on Puget Sound are being prepared by J. R. West, Ch. Engr., Seattle Port Commission. The bunkers will be at the Smith's Cove improvement and will be of steel and frame construction, costing about $25,000.

✚**Pier**—Portland, Ore.—The contract for constructing a pier at the Hill terminals has been awarded to G. A. McEACHERN CO., Seattle. The pier will be 30x420 ft. and is estimated to cost $15,000.

Pier—Redondo Beach, Calif.—Leyden & Ortseifen, Flagstaff, Ariz., submitted the lowest bid at $108,800 for the construction of a reinforced-concrete pier at Redondo Beach from plans prepared by George W. Harding, Engr., 1118 Washington Bldg., Los Angeles. Noted July 15.

Retaining Wall—Montreal, Que.—The City Council has voted $360,000 for the construction of a retaining wall on the north side of the enlarged viaduct.

Grandstand—Quebec, Que.—Bids will soon be called for the construction of a grandstand on the exhibition grounds to cost about $25,000. Taaguay & Lebon, 20 D'Aguillon St., Quebec, is Arch.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous."

Portland, Maine—Plans are being prepared by Miller & Mayo, Arch., Fidelity Trust Bldg., for the construction of a three-story, 190x250-ft. brick and stone high school to cost $300,000. Mayor William M. Ingraham is Chn. of Com.

Boston, Mass.—The Kenmore Realty Trust will soon award the contract for the construction of a nine-story apartment block on Commonwealth Ave. to cost $300,000. Blackhall, Clapp & Whetmore is Arch.

✚**Boston, Mass.**—The contract for the construction of a six-story brick building on High St. for James Donahue, 35 Congress St., has been awarded to WILLIAM BAILEY, 88 Broad St. Monks & Johnson, 78 Devonshire St., is Arch.

Brookline, Mass.—A special town meeting, July 29, appropriated $110,000 for alterations and additions to the high school.

Dedham, Mass.—Bids were received by Samuel H. Capen, Chn. of Bldg. Com., for the construction of a high school as follows: C. S. Cunningham Sons Co., Boston, $102,300; L. B. Taylor, Athol, $103,775; George B. Long, Worcester, $104,650; George Howard Son Co., Brockton, $106,000; F. C. Alexander, Boston, $106,843; William Hansom, Brockton, $107,300; John W. Duff & Co., Boston, $107,719; McGee & O'Connor, Cambridgeport, $108,986; Walsh Bros., East Cambridge, $109,283; J. L. Slotnick, Chelsea, $109,292; J. J. Powers, Cambridge, $110,889; C. S. Cunningham Construction Co., Boston, $112,176; Daniel L. Sheppard, Boston, $115,547; John A. Logatelli Co., Boston, $15,587, and H. L. Hemenway Co., Boston, $119,292. Killiane & Hopkins, 9 Park St., Boston, Mass., is Arch. Noted July 29.

Nahant, Mass.—A special town meeting July 29th appropriated $38,600 for the construction of a school. William Waters is Town Clk.

Southbridge, Mass.—Bids are being received by Peabody & Stearns, Arch., 53 State St., Boston, Mass., for the construction of a high school. Noted Oct. 29, Apr. 1 and June 10.

✚**Warren, R. I.**—The contract for the construction of a school has been awarded to the EASTERN CONSTRUCTION CO., Woonsocket, R. I., at $44,873.

Hartford, Conn.—The Rev. Stanislaus Lozowski has plans for the construction of a $70,000 church on Governor St.

Albany, N. Y.—Feeney & Sheehan Building Co., 164 Montgomery St., Albany, at $162,000, submitted the lowest bid for the construction of additions and alterations to the State House on Eagle St Noted May 6 and July 8.

Buffalo, N. Y.—Bids will be received until 11 a.m., Aug. 19, by Francis G. Ward, Comr. of Pub. Wks., Buffalo, for the construction of a public school on Amherst St. and North Lincoln Blvd.

✚**Mineola, N. Y.**—The Nassau County Trust Co. has awarded the general contract for the construction of a bank building to HOGGSON BROS., 7 East 44th St., New York Estimated cost, $50,000.

New York, N. Y.—(Borough of Bronx)—J. C. Corker, Arch., 2017 Fifth Ave., has prepared plans for the construction of a two-story, 60x148-ft. fireproof theater at Fordham Rd. and Morris Ave. for H. U. Singhi. The estimated cost is $100,000.

New York, N Y.—(Borough of Bronx)—B. H. & C. N. Whinston, Arch., 148th St. and Third Ave., has prepared plans for the construction of a five-story hospital at 959-61 Whitlock Ave. for the Bronx Maternity Hospital, 956 Whitlock Ave. The estimated cost is $50,000.

New York, N. Y.—(Borough of Bronx)—Bids are being received by the Home of the Holy Comforter, Riverside Drive and 139th St., for the construction of a four-story, 103x148-ft., fireproof brick and stone building as a Home for Incurables on the Grand Boulevard and Concourse and 196th St. John B. Snook Sons, 261 Broadway, is Arch. Noted July 29.

✚**New York, N. Y.**—(Borough of Brooklyn)—The contract for the construction of a five-story brick store and loft building at 471 Fulton St. for Oppenheim, Collins & Co., 35 West 34th St., New York, has been awarded to CHARLES A. COWEN & CO., 1123 Broadway, New York.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by Warren & Wetmore, Arch., 16 East 47th St., for the construction of a 17-story apartment house on Park Ave., from 55th to 56th St., for the 420 Park Avenue Co. The estimated cost is $800,000. S. Fullerton Weaver is Pres. of the company. Noted July 1.

New York, N. Y.—(Borough of Manhattan)—Walter Cook, Arch., 3 West 29th St., has prepared plans for the construction of a church at Amsterdam Ave. and 92d St. for the Central Baptist Church. The estimated cost is $200,000. Frank Goodchild is Pastor and I. W. Cokefair, 10 Maiden Lane, is Chn. of Bldg. Com. Noted June 17.

✚**New York, N. Y.**—(Borough of Manhattan)—The general contract for the construction of a nine-story, 90x150-ft. fireproof hotel at 3 West 67th St. for the Hotel Des Artistes, Inc., 33 West 67th St., has been awarded to the WILLIAM J. TAYLOR CO., 5 East 42d St., New York. The estimated cost will be $800,000. George Mort Pollard, 127 Madison Ave., is Arch. Noted Feb. 18.

Syracuse, N. Y.—Charles D. Wilsey, Arch., 611 S. A. & K. Bldg., is preparing plans for the construction of a three-story business block and apartment building on East Fayette St. for Joseph A. Griffin, care of L. Vinney Co., 130 South Salina St. The estimated cost is $50,000.

Syracuse, N. Y.—Bids will be received until Aug. 16, by D. R. Roney, Secy., Bd. of Contract and Supply for the construction of the Delaware School on Delaware and Geddes St. The estimated cost is $225,000. Noted May 27 and July 15.

Newark, N. J.—The Board of Freeholders is planning to hold an election to vote on the question of issuing $135,000 in bonds. The proceeds will be used for the construction of additions and improvements at the county penitentiary and jail.

✚**South Orange, N. J.**—The contract for the construction of a railroad station for the Delaware, Lackawanna & Western R.R. has been awarded to F. H. HYDE, 90 West St., New York, N. Y. Estimated cost, $40,000.

Dormont, Penn.—Contracts will be awarded about Aug. 15, by J. A. Long, Arch., Pittsburgh, for the construction of a three-story, 56x102-ft. store and lodge building for the South Hills Hall Association. Estimated cost, $50,000. Noted July 22.

✚**Lock Haven, Penn.**—THOMAS M. LEEDS, JR., 1207 Race St., Philadelphia, has been awarded the contract for the construction of a three-story nurses' home at the Lock Haven Hospital. Harris & Rush, 130 South 15th St., Philadelphia, is Arch. Estimated cost, $40,000.

✚**Muncy, Penn.**—The contract for the construction of an administration building and four cottages at the State Industrial Home for Women has been awarded to METZGER & FISHER, Denckla Bldg., Philadelphia, at $178,500. Horace Trumbauer, Land Title Bldg., Philadelphia, is Arch., and Frank Smith, Harrisburg, is Secy., State Bd. of Charities. Noaed June 24 and July 22.

✚**Philadelphia, Penn.**—The contract for the construction of an eight-story, 36x144-ft. reinforced-concrete loft building at 831-35 Cherry St. for Benjamin Linker has been awarded to WILLIAM LINKER CO., 1215 Filbert St., Philadelphia. Estimated cost, $100,000. Noted May 27.

Philadelphia, Penn.—Ballinger & Perrott, Arch., 6th floor, Methodist Bldg., is preparing plans for the construction of a church at 58th and Springfield Ave. for the Springfield Avenue Methodist Episcopal Church. The estimated cost is $60,000.

Philadelphia, Penn.—Bids will be received until Aug. 16 for the construction of a building at 1234 North 54th St. for the West Philadelphia General Homeopathic Hospital. Magaziner & Potter, 137 South Fifth St., is Arch.

✚**Philadelphia, Penn.**—HENRY E. BATON, 10th and Sansom St., Philadelphia, has been awarded the contract for the construction of a one-story, 54x200-ft. brick ward building at Holmesburg for Philadelphia County. The estimated cost is $90,000. Philip Johnson is Arch.

✚**Philadelphia, Penn.**—The contract for the construction of a two-story school on Hutchinson St. near Cambria St. for the St. Bonaventura's Church has been awarded to MELODY & KEATING, Bailey Bldg., Philadelphia. Estimated cost, $40,000.

Pittsburgh, Penn.—The Baltimore & Ohio R.R. Co. plans to complete the remodeling of its passenger station at Smithfield and Water St. F. L. Stuart, Baltimore, Md., is Ch. Engr.

✚**Scranton, Penn.**—The contract for the construction of a two-story, 60x100-ft. bank building for the First National Bank has been awarded to S. SYKES SONS, 218 Larch St., Scranton. The cost is estimated at $190,000. Belin & Snyder, Title Guarantee Bldg., is Arch.

✚**Sharon, Penn.**—(Official)—WALLIS & CARLEY CO., Sharon, has been awarded the general contract for the construction of the Kimberly Nurses' Home, adjoining the C. H. Buhl Hospital. The estimated cost is $60,000. C. F. Owsley, Youngstown, Ohio, is Arch. Noted July 29.

South Bethlehem, Penn.—The Bethlehem Steel Co., South Bethlehem, is planning the construction of an office building. Estimated cost, $500,000.

✚**Wilmington, Del.**—(Official)—The contract for the construction of a four-story 85x183-ft. brick and stone addition to the Wilmington High School has been awarded to A. S. REED & BRO. CO., Wilmington, Del., at $123,733. Wallace E. Hance is Arch. Noted July 8 and 29.

Baltimore, Md.—Irwin & Leighton Co., 126 North 12th St., Philadelphia, Penn., submitted the lowest bid for the construction of an addition to the Drovers and Mechanics National Bank at Fayette and Eutaw St. Joseph Evans Sperry, 409 Calvert Bldg., is Arch.

Baltimore, Md.—Plans have been prepared by Cram, Goodhue & Ferguson, Arch., 15 Beacon St., Boston, Mass., for the construction of a church at Eutaw and Madison St. for the Mt. Calvary Protestant Episcopal Church. The estimated cost is $200,000.

Baltimore, Md.—Parker, Thomas & Rice, Arch., has prepared plans for the construction of an office building at Lexington and Liberty St. for the Consolidated Gas, Electric Light & Power Co. The estimated cost is $1,000,000. Noted Apr. 29.

Baltimore, Md.—Bids will be received until Aug. 16 by the Board of Awards for the improvement and repairing of various public schools in Baltimore. The entire cost is estimated at $100,000.

✚**Weston, W. Va.**—The State Board of Control, Charleston, has awarded the contract for the construction of a building at the Weston State Hospital for the Insane to the DAWSON CONSTRUCTION CO., May Bldg., Pittsburgh, Penn., at $66,870. Other bids were: Acme Construction Co., Charleston, $79,495; J. F. Barbour & Sons, Roanoke, Va., $74,000; James Cain, Elkins, $80,332; J. L. Crouse, Greensboro, N. C., $81,475; Dayton & Francis, New Martinsville, $104,800; Foreman & Putnam, Marietta, $89,300. Harris & Spindler, Wheeling, $80,925; King Lumber Co., Charlottesville, Va., $81,772; Longest & Tessier, Greensboro, N. C., $90,819; Rose & Beaman, Goldsboro, N. C., $71,500; Richman Construction Co., Moorestown, N. J., $83,445; Showers & Taylor, Crooksville, Ohio, $91,448; C. Harrison Smith, Huntington, $89,675; Tyree & Thomas, Charleston, $84,287. Noted July 15.

✚**Wheeling, W. Va.**—The KITCHEN CO. has been awarded the general contract for the construction of the Scottish Rite Cathedral. The cost is estimated at $110,000. Noted May 27.

Wilmington, N. C.—Plans are being prepared by Kenneth McMurchison, Arch., 101 Park Ave., New York, N. Y., for the construction of a ten-story hotel for J. H. Hinton, Wilmington. Noted July 22.

Atlanta, Ga.—An election will be held Sept. 30 to vote on the question of issuing $3,358,000 in bonds. A part of the proceeds will be used for the construction of schools and a hospital. I. M. Ragsdale is Mayor.

Meridian, Miss.—At a recent election the citizens voted in favor of issuing $65,000 in bonds. The proceeds will be used for the construction of a city hall and jail. Noted Aug. 5.

✚**New Orleans, La.**—The contract for remodeling the Citizens Bank & Trust Co. building on Gravier St. has been awarded to LIONEL FAVRET, New Trleans. Estimated cost, $50,000.

✚**New Orleans, La.**—The contract for the construction of a brick church at the Loyola University has been awarded to the JEFFERSON CONSTRUCTION CO., at $138,000. Hugh McCloskey and W. P. Burke are Trustees.

Chattanooga, Tenn.—Plans have been prepared by Barnwell & Barnwell, Arch., 516 Hamilton Bank Bldg., for the construction of a ten-story, 100x137-ft. office building at Ninth and Dewey St. and Georgia Ave. for the Volunteer State Life Insurance Co.

Memphis, Tenn.—I. D. Block, of the Dry-Block Mercantile Co., has purchased a site at Calhoun Ave. and Mulberry St. upon which to construct a five-story brick hotel. The estimated cost is $50,000.

Nashville, Tenn.—Asmus & Norton, Arch., 505-8 Cole Bldg., is preparing plans for the construction of a five-story, 50x150-ft. addition to the St. Thomas' Hospital. The estimated cost is $200,000.

Nashville, Tenn.—Plans are being prepared by Ludlow & Peabody, Arch., 101 Park Ave., New York, N. Y., for the remodeling of the bank building for the First and Fourth National Bank of Nashville. The estimated cost is $75,000.

Louisville, Ky.—Bids will be received about Aug. 20 by S. X. Murphy & Bro., Arch., Louisville, for the construction of a ten-story reinforced-concrete addition to the Tyler Hotel. The estimated cost is $200,000. Noted June 24.

Camden, Ohio—Bids will be received until noon, Aug. 20, by G. W. Homsher, Clk., Bd. of Education, for the construction of an eight-room high school with an auditorium and a gymnasium. E. Rufus Thompson, Arch., 524 Belmont Ave., Youngstown, has prepared the plans. Noted June 10.

Cleveland, Ohio—Plans are being prepared by Hubbell & Benes, Arch., 4500 Euclid Ave., for the construction of a two-story commercial building at Euclid Ave. and East 102d St. for the Cutler Realty Co. Estimated cost, $60,000.

✚Cleveland, Ohio—The contract for the construction of a three-story commercial building at Detroit and West 65th St. for Charles A. Conners has been awarded to the A. B. LOOMIS CONSTRUCTION CO. W. S. Ferguson Co., 1900 Euclid Ave., is Arch. Estimated cost, $50,000.

✚Cleveland, Ohio—The contract for the construction of a five-story commercial building at 1903 East 19th St., near Euclid Ave., for Mrs. Amanda Corlett, has been awarded to the WALTHERS ENGINEERING CO., East 66th St., Cleveland. W. S. Ferguson Co., 1900 Euclid Ave., is Arch. Estimated cost, $125,000.

Cleveland, Ohio—The Immanuel Baptist Church is planning to construct a church on Parkwood Drive. Estimated cost, $50,000.

✚Cleveland, Ohio—The contract for the construction of a church on East 93rd St. for the St. Catharine congregation has been awarded to EMIL CONVERSE, Massillon. Estimated cost, $60,000. E. J. Schneider, 606 Cuyahoga Bldg., is Arch.

Cleveland, Ohio—Plans have been prepared by Hubbell & Benes, Arch., 4500 Euclid Ave., for alterations and improvements to the Pearl Street Savings & Trust Co. Building, West 25th St. and Clark Ave. Estimated cost, $40,000.

Cleveland, Ohio—Plans have been prepared by Emil M. Ulrich, Arch., 1900 Euclid Ave., for the construction of a school on Aetna Rd. for the Congregation of Christ. Estimated cost, $40,000.

Cleveland, Ohio—Preliminary plans have been prepared by Harry A. Cone, Arch., 1228 Schofield Bldg., for the construction of a five-story reinforced-concrete commercial building on Euclid Ave., near East 17th St. for M. G. Glauber. Estimated cost, $125,000.

Cleveland, Ohio—The St. George's Lithuanian Church, 1389 East 21st St., will construct a church and school building at East 67th St. and Superior Ave., N. E. The estimated cost is $150,000. Joseph Halaburda is Pastor.

Columbus, Ohio—A commission will soon be appointed by Governor Willis to plan for the construction of a state office building on the Capitol Square. The estimated cost is $1,000,000. A. V. Donahey is State Audr. and D. M. Hough is Adjutant General. Noted Mar. 25.

Columbus, Ohio—Plans are being prepared by Richards, McCarty & Bulford, Arch., for the construction of a clubhouse for the Scioto Country Club. Estimated cost, $50,000.

Columbus, Ohio—Plans are being prepared by J. N. Bradford, Arch., for the construction of a school building for the Ohio State University. The estimated cost is $150,000. Noted May 6.

Columbus, Ohio—Bids will be received until noon, Aug. 16, by Ben. W. Hough, Adjutant Gen., for the construction of additions and alterations to the fourth floor of the Ohio State Capitol Annex. Karl I. Best, State House, Columbus, is Arch.

Gratis, Ohio—Bids will be received until noon, Aug. 16, by J. T. Street, Clk., Bd. of Education of the Gratis School Dist., for the construction of a two-story fireproof school. Albert Pretzinger and Edward P. Musselman, Archs., 1155 Feibold Annex, Dayton, have prepared the plans.

Lakewood, Ohio—Preliminary plans are being prepared by Charles W. Hopkinson, Arch., 900 Rose Bldg., Cleveland, for the construction of a high school at Lakewood. Estimated cost, $175,000. Noted Apr. 15.

✚Lisbon, Ohio—The School Board has awarded the contract for the construction of a high school to the CULLEN & VAUGHN CO., Hamilton. The estimated cost is $60,000.

Monroe, Ohio—Plans are being prepared by Rush & Sheets, Arch., Columbus, for the construction of a grade and high school. The estimated cost is $45,000.

✚Niles, Ohio—The contract for the construction of a building for the National McKinley Birthplace Memorial Association has been awarded to JOHN H. PARKER CO., 315 Fourth Ave., New York, N. Y., at $240,000. Noted Apr. 15 and May 13.

✚Springfield, Ohio—The contract for the construction of a five-story hotel on East High St. for Frank G. Warden has been awarded to the CONCRETE STEEL CONSTRUCTION CO. The estimated cost is $200,000.

Toledo, Ohio—Bids will be received until noon, Aug. 23, by the Clerk of the Board of Education, for the construction of the Mott School at Colorado and Worthington St. Edwin M. Gee is Arch. and George L. McKesson is Dir. of Schools.

Toledo, Ohio—Bids will be received until 10 a.m., Aug. 27, by Charles J. Sanzenbacher, Clk. of Lucas County Commission, for the construction of an addition to dormitory No. 2 at the Hospital for Tuberculosis. David L. Stine, 405 Valentine Bldg., is Arch.

✚Youngstown, Ohio—The contract for the construction of an office building and laboratory for the Youngstown Sheet & Tube Co. has been awarded to the STONE & WEBSTER ENGINEERING CO., 1161 Massachusetts Ave., Boston, Mass. The estimated cost is $300,000. Noted Aug. 5.

Gary, Ind.—E. O. Selby, 220 South Sixth St., Coshocton, Ohio, will construct a one-story, 125x125-ft. motion picture theater and store building. The estimated cost is $50,000. Work will begin in the spring.

✚Detroit, Mich.—The contract for the construction of a 12-story hotel building at Cass and Peterboro St. for the Buckingham Hotel Co. has been awarded to the THEODORE STARRETT CO., 712 Free Press Bldg., Detroit. E. R. Dunlap is Arch. Noted July 15.

Grand Rapids, Mich.—Lee De Camp and Frank L. Wade, Archs., 26 Empress Bldg., are preparing plans for the construction of a three-story, 132x132-ft. theater. The estimated cost is $225,000.

Muskegon, Mich.—The Directors of the Occidental Hotel Co. plan to construct a four-story addition to the Hotel on Third St. Estimated cost, $50,000. John G. Emery, Jr., is Pres. and John Q. Ross is Secy.

✚Kenosha, Wis.—The general contract for the construction of a school has been awarded to GOTTLIEB SCHAEFFER, Kenosha, at $77,000. Noted June 10.

Stevens Point, Wis.—The Board of Regents of the Normal Schools has received bids for the construction of a dormitory at the Stevens Point Normal School, as follows: Hans P. Knudsen, Waupaca, 47$,525; Immel Construction Co., Fond du Lac, $49,483; General Construction Co., Milwaukee, $[illegible],761; J. F. Weyenberg Construction Co., Grand Rapids, $58,4[illegible]; J. B. Cullen Co., Janesville, $65,619; Appleton Construction Co., Appleton, $44,999; C. R. Meyer & Sons Co., Oshkosh, $[illegible],689. Noted July 8.

Des Moines, Iowa—Plans have been prepared by Watrous & Sawyer, Arch., 303 Watrous Bldg., for the construction of a union station for the Chicago, Rock Island & Pacific Ry. The estimated cost is $1,000,000. Noted under East Des Moines, Iowa (Des Moines post office), Jan. 28.

Granite Falls, Minn.—Bids will be received until Aug. 18 by Downer Mullen, Secy., Bd. of Control, St. Paul, for the construction of a two-story tuberculosis sanatorium. Estimated cost, $40,000. Sund & Dunham, 512 Essex Bldg., Minneapolis, is Arch. Noted Feb. 18.

Minneapolis, Minn.—A. R. Van Dyck, Arch., 740 McKnight Bldg., has prepared plans for the construction of a two-story, 42x127-ft. building for the Maternity Hospital, 2201 Western Ave. The estimated cost is $50,000. Mrs. T. C. Nickels is Pres. Noted July 29.

✚Minneapolis, Minn.—The contract for the construction of a 12-story, 88x159-ft. hotel and store building at Hennepin Ave. and Second St. for the Union City Mission has been awarded to MADSEN BROS., 753 Plymouth Bldg., Minneapolis. Estimated cost, $200,000. C. E. Bell, 310 Security Bank Bldg., is Arch. Noted June 10.

St. Peter, Minn.—Plans are being prepared by C. H. Johnston, Arch., 715 Capital Bank Bldg., St. Paul, for the construction of an addition to the Criminal Insane Bldg. The estimated cost is $55,000. Downer Mullen, St. Paul, is Secy., Bd. of Control.

Chanute, Kan.—Plans are being prepared for the construction of a lodge building for the Royal Arch Masons, Chapter No. 21. The estimated cost is $50,000.

Wichita, Kan.—Work will soon begin on the construction of a two-story, 115x120-ft. theater. The estimated cost is $80,000. L. M. Miller is Mgr. and Carl Boller & Bro., 7 Gayety Theater Bldg., Kansas City, Mo., is Arch. Noted June 17.

✚Kearney, Neb.—(Official)—W. F. CROSSLEY, Kearney, at $57,867, including heating, plumbing and wiring, was awarded the contract for the construction of an auditorium for the State Normal School. Other bids, not including the heating, plumbing and wiring, were as follows: J. P. Riddle, $53,700; Walter Kuntzen, $53,333; F. P. Gould & Son, $51,750; Hester Construction Co., $57,000. Noted July 29.

✚Sioux Falls, S. D.—The contract for the construction of a four-story, 135x166-ft. brick and reinforced-concrete building on First Ave. between 10th and 11th St. for Haley & Lang Building Co., has been awarded to COWLES & VANDANAKER, St. Paul, Minn. Estimated cost, $100,000. Joseph Schwarz is Arch.

Sioux Falls, S. D.—The State Board of Regents has approved and accepted the plans prepared for the construction of a dormitory at the Brookings College. Estimated cost, $75,000.

Jefferson City, Mo.—An election will be held on Oct. 19 by the Court of Cole County to vote on the question of issuing $100,000 in bonds. Part of the proceeds will be used for the construction of a jail and a tuberculosis hospital.

Marshall, Mo.—Bids will be received about Aug. 15, by J. H. Felt & Co., Arch., 800 Grand Ave., Kansas City, for the construction of a two-story, 60x140-ft. cottage at the Missouri Colony for Feeble Minded. The estimated cost is $65,000.

St. Joseph, Mo.—Bids will soon be received for the construction of a three-story office building to be used by physicians and surgeons, at Seventh and Francis St. The estimated cost is $50,000. Walter Boschen, Tottle Bldg., is Arch.

St. Louis, Mo.—Plans are being prepared by Thomas P. Barnett Co., Arch., 724 Central National Bank Bldg., for the construction of a 16-story, 83x100-ft. hotel for W. K. Bixby, Lindell and Kingshighway Blvd.

St. Louis, Mo.—The Burdeau Real Estate Co. is having plans prepared for the construction of a commercial building at 16th and Chestnut St. The estimated cost is $100,000.

Beaumont, Tex.—Bids will be received until Aug. 14, by the School Board of the South Park Independent School District, for the construction of an addition to the South Park School. The estimated cost is $50,000. Sanguinet, Staats & Gottlieb, 624 First National Bank Bldg., Houston, is Arch. Noted July 1.

Corsicana, Tex.—Bids will be received about Aug. 15 for the construction of a hospital dormitory for the Texas State Orphans Home Association. The estimated cost is $80,000. C. H. Page & Bro., 348 Austin National Bank Bldg., Austin, is Arch. Noted July 22.

✚Dallas, Tex.—The contract for the construction of a five-story, 75x90-ft. brick addition to the St. Paul Sanitarium for the Daughters of Charity of St. Vincent de Paul has been awarded to H. J. CURTIS, Dallas. Estimated cost, $200,000. J. E. Overbeck, 708 Wilson Bldg., is Arch. Noted Apr. 8.

Johnson City, Tex.—Plans are being prepared by Henry T. Phelps, Arch., San Antonio, for the construction of a court house. The estimated cost is $50,000.

Orange, Tex.—At a recent election the citizens voted in favor of issuing $150,000 in bonds. The proceeds will be used for the construction of schools. Noted June 10 and 24.

San Antonio, Tex.—Bids will be received until Aug. 20, by J. S. Davis, County Judge, for the construction of the two-story, 125x125-ft. reinforced-concrete Robert B. Green Memorial Hospital. The estimated cost is $235,000. Noted July 22.

Norman, Okla.—Bids will be received until Aug. 20 for the construction of a four-story reinforced-concrete Science Hall at the University of Oklahoma. The estimated cost is $90,000. Hawk & Parr, 501 Security Bldg., Oklahoma, is Arch. Noted Aug. 5.

Bellingham, Wash.—Bids will be received about Sept. 1 for the construction of an addition to the North Side High School. The estimated cost is $90,000. T. F. Doan, 217 Sunset Bldg., is Arch. and Heath & Gove, National Realty Bldg., Tacoma, is Assoc. Arch. Noted July 22.

Portland, Ore.—Bids will soon be received for the construction of an auditorium on the Market Blk. Whitehouse & Fouilhoux, Arch., 809-13 Wilcox Bldg., has prepared plans. The estimated cost is $600,000. Noted July 29.

Salem, Ore.—Bids were received by the Board of Trustees for the construction of a building at the State Normal School, as follows: Bingham & Shelly, Portland, $39,497; Southwick & Hendrick, Salem, $39,741; Snook & Traver, Salem, $40,988; E. B. White, Portland, $41,286; James P. Taylor, Portland, $41,987; N. E. Hoover, Albany, $43,279; John Almeter, Portland, $42,804; W. C. Arthur & Co., Portland, $45,372; Wechter & Wood, Salem, $46,249; C. Van Patten, Salem, $51,308; J. F. Mollecop, Salem, $44,843; L. D. Horn, Portland, $45,950; H. E. Doering, Portland, $46,263; Palmer & Ellison, Portland, $46,536; A. F. Peterson, Portland, $44,567; A. W. Kutsche, Portland, $46,800; F. A. Erickson, Salem, $42,248; J. H. Tillman, Portland, $44,600; C. C. Johnson & Son, Portland, $45,776.

+Fresno, Calif.—The contract for the construction of a two-story business block for Olender Bros. has been awarded to RIGGINS & PALMER. The estimated cost is $60,000.

Fresno, Calif.—R. F. Hotchkin, Arch., has been commissioned to prepare plans for the construction of an edifice for the Christian Science congregation. The estimated cost is $75,000. Henry Gundelfinger is Chn. of Bldg. Com.

Los Angeles, Calif.—The F. O. Engstrum Co., Fifth and Seaton St., at $92,127, submitted the lowest bid for the construction of the brick and reinforced-concrete auditorium, library and music buildings at the Lincoln High School. Needham & Cline, 615 Brockman Bldg., is Arch. Noted Mar. 11.

Los Angeles, Calif.—The Concordia Country Club has been incorporated at $200,000 and will construct a clubhouse west of Los Angeles. Edelman & Barnett, Arch., 729 Black Bldg., has prepared the plans.

Iriquois Falls, Ont.—The Abitibi Pulp & Paper Co. will construct 75 cottages, estimated to cost $60,000.

London, Ont.—Preliminary plans are being prepared by Lee De Camp and Frank L. Wade, Archs., 26 Empress Bldg., Grand Rapids, Mich., for the construction of a four-story, 110x267-ft. hotel, theater and store building. The estimated cost is $300,000. S. H. Bangs, 110 Dundas St., London, is interested.

Toronto, Ont.—The Civic Property Committee has been commissioned to approve the construction of a two-story brick dormitory at the Women's Industrial Farm. Estimated cost, $40,000.

+St. Boniface, Man.—The contract for the construction of a school on Youville St. has been awarded to the PROGRESS CONSTRUCTION CO., LTD. The estimated cost is $100,000.

SEWER EXTENSION—BOSTON, MASS.
Section 105

+Bids were received July 28 by the Metropolitan Water and Sewerage Board for the construction of sewers in Section No. 105 of the high level sewer, South Metropolitan System, in Needham and Wellesley from (A) Bruno & Petitti, (B) M. Russo & Son, (C) Henry Spinach Contracting Co., (D) Michael Meehan, (E) Coleman Bros., (F) George M. Bryne, (G) HUGH NAWN CONTRACTING CO., Roxbury (awarded contract). The item bids were as follows:

	A	B	C	D	E	F	G
4425 lin.ft. earth excavation and refilling in trench and embankment 24 in. x 27 in. concrete sewer	$9.00	$7.84	$7.75	$7.50	$6.00	$4.50	$3.00
60 cu.yd. portland brick masonry in manholes	16.00	17.00	20.00	20.00	18.00	16.00	18.00
2000 cu.yd. portland concrete masonry in trench	8.50	9.00	8.00	8.50	8.00	8.00	7.50
100 cu.yd. rock excavation in trench	6.00	4.50	10.00	8.00	6.00	4.00	3.65
Extended totals	$58,385	$54,162	$52,493	$52,187	$44,230	$37,272	$29,655

The Commercial Construction Co. has changed its name to the Bickel Co., Engineers-Contractors, and has moved from its former quarters in the Reliance Bldg., Kansas City, Mo., to the Interstate Bldg. The capital stock has been doubled but the officers and policy of the company are the same.

The Metals Coating Co. of America, 122 South Michigan Ave., Chicago, Ill., has opened offices at 30 Church St., New York, in charge of Mr. Edward McFarlan, and at 100 Summer St., Boston, Mass., in charge of Mr. Herbert Jaques, Jr. This company is prepared to furnish information and to demonstrate to interested manufacturers the Schoop Metal Coating Process.

The Gardner Governor Co., Quincy, Ill., manufacturer of pumping machinery, has recently been awarded contracts calling for three carloads of pumps ranging in size from the very smallest to the largest water works type; also received contracts from Indo-Burma calling for two small water works pumps.

SEWER—NEWARK, N. J.

Bids were received July 29 by the city for the construction of the Bound Creek and Frelinghuysen Ave. sewer from (A) John W. Heller, Newark, (B) Peter D'Amato, Newark, (C) O'Gara & Maguire, Newark, (D) Charles Ippolito, Montclair, (E) Averill Mathews, Montclair, (F) Harrison & Craig, Newark, (G) P. L. Braunworth, (H) Frisco Construction Co., Newark. The item bids were as follows:

	A	B	C	D	E	F	G	H
2050 ft. 4x6 ft. concrete sewer	$9.50	$11.75	$8.88	$26.99	$9.95	$13.00	$12.00	$9.00
1300 ft., 18-in. pipe sewer	1.40	3.65	1.68	2.54	1.70	2.00	1.52	1.75
2700 ft., 15-in. pipe sewer	1.25	3.98	1.29	2.22	1.45	1.50	1.25	1.50
1470 ft., 12-in. pipe sewer	.80	1.79	.79	1.53	.50	1.00	.48	1.00
110 ft. 16-in. c. i. pipe	6.00	5.00	3.30	4.49	5.50	3.00	4.86	3.00
60 ft., 12-in. c.i. pipe	2.50	3.00	2.75	5.00	3.50	2.50	2.70	2.00
7 basins	100.00	100.00	70.00	85.00	85.00	100.00	55.00	100.00
26 manholes over pipe sewer	40.00	55.00	41.00	50.00	35.00	50.00	45.00	50.00
12 manholes over concrete sewer	30.00	25.00	27.50	30.00	25.00	40.00	30.00	50.00
2 pumps	400.00	200.00	380.00	650.00	250.00	600.00	183.00	500.00
75,000 ft. b.m. timber	40.00	45.00	34.75	50.00	32.00	32.00	40.00	60.00
450 piles	12.00	9.00	5.25	3.75	8.00	8.00	3.40	10.00
Extended totals	$37,956	$53,194	$33,175	$76,661	$36,377	$44,930	$38,164	$39,295

FIFTEENTH AVE., N. W., BRIDGE, SEATTLE, WASH.

Bids were received July 23 by A. H. Dimock, City Engr., Seattle, Wash., for the construction of the superstructure of a bridge over Lake Washington Canal at 15th Ave., N. W., from: (A) Standifer-Clarkson Co., (B) Beer's Building Co., (C) Booker, Kiehl & Whipple. Bids for the substructure of the same bridge were received from: (A) Booker, Kiehl & Whipple; (B) Hans Pederson; (C) Beer's Building Co.; (D) Twohy Bros. Co. The item bids were as follows:

Superstructure	A	B	C
23,000 lb. machinery, furnishing and erecting	$0.11½	$0.128	$0.1112
1,900,000 lb. structural steel, furnishing and erecting	.0465	.043	.0416
Furnishing 300,000 lb. structural steel, erected by contractor for substructure	.0325	.032	.0333
390 cu.yd. furnishing, placing and adjusting gravel concrete counterweight	7.50	5.00	5.50
280 cu.yd. furnishing, placing and adjusting cinder concrete counterweight	8.00	7.00	5.50
1 cinder concrete test block, furnishing and weighing	10.00	10.00	11.00
1 gravel concrete test block, furnishing and weighing	10.00	10.00	11.00
890 sq.yd. roadway floor on movable leaves	5.60	2.85	5.25
410 sq.yd. roadway floor, including reinforcement, on fixed portion	4.25	2.45	3.30
265 sq.yd. sidewalk floor on movable leaves	1.25	.50	1.00
130 sq.yd. sidewalk floor on fixed portion	1.35	1.25	1.20
90 sq.yd. concrete floor, including reinforcement, on machinery platforms	2.40	1.00	1.20
10,000 lb. reinforcing bars in concrete counterweight	.0325	.0275	.03
Electric equipment complete in place (lump sum)	13,936	14,946	14,132
4 operators' houses and 2 toilet rooms complete (lump sum)	6000	600	5300
Meneely fog bell in place (lump sum)	120.00	100.00	90.00
2 copper ball vessel signals in place	25.00	15.00	70.00
80 lin.ft. iron pipe hand rails below deck of bridge	1.25	.50	1.65
Wooden steps and railings for access to machinery platforms (lump sum)	35.00	200.00	125.00
4 double-arm roadway gates complete in place	300.00	300.00	302.50
14 oak buffer blocks	5.00	3.00	5.00
Extended totals	$148,945	$146,029	$146,366

Substructure	A	B	C	D
5200 cu.yd. excavation	$3.20	$5.10	$2.66	$8.65
2700 cu.yd. Class A concrete (deposited under water)	8.52	6.60	8.00	7.80
4600 cu.yd., Class C, concrete in piers (above water)	5.65	7.00	8.00	6.90
7300 cu.yd. concrete in unwatered foundations (alternate to two preceding items)	12.00	7.00	8.65	7.15
850 cu.yd., Class B, concrete	6.70	12.00	6.00	7.60
127,000 lb. reinforcing steel	.032	.028	.0275	.0265
Placing and painting structural steel, grillages and anchor bolts, including grouting, 300,000 lb.	.0078	.004	.0465	.006
2 fir bumping logs	22.00	25.00	10.00	25.00
4200 lin.ft. peeled piles in protection work	.20	.20	.15	.40
8 M ft. b.m. timber in protection work	25.30	25.00	14.00	20.00
325 lin.ft. chains on dolphins	.30	.30	.30	.30
560 sq.ft. surface treatment of panels	.22	.03	.06	.18
400 sq.ft. brick pattern work	.66	.20	.20	.20
16 pendants, 1 part cement, 3 parts sand	16.50	10.20	5.00	3.00
4 test piles	44.00	25.00	10.00	20.00
8 eye bolts in shafts of anchor piers	3.30	2.00	15.00	.60
750 cu.yd. extra excavation below elevation —35	5.50	2.00	2.00	4.00
750 cu.yd. extra concrete below elevation—35	11.00	4.00	6.00	7.80
750 cu.yd. alternate to preceding item in case foundations are unwatered	13.00	5.00	6.00	7.80
Extended totals	$92,145	$97,556	$101,987	$120,556
Alternates	$132,401	$99,386	$106,732	$119,951

CATALOG NOTICES

Kerr Turbine Co., Wellsville, N. Y. Bulletin No. 54. Economy turbo-generators. Illustrated, 32 pp., 6x9 in.

Theodore Smith & Sons Co., Jersey City, N. J. Catalog. Clam shell and orange peel buckets, stone grapplers, dredges. Illustrated, 44 pp., 6x9 in.

De Laval Steam Turbine Co., Trenton, N. J. Catalog F. Centrifugal blowers and compressors. Illustrated, 64 pp., 6x9 in.

Contracts to Be Let

Bids received until Sept. 7, 1915.

Sewage Pumping Stations

Albany, N. Y.

Sealed proposals for the construction, and separate sealed proposals for the equipment of two sewage pumping stations will be received by the Board of Contract and Supply of the City of Albany, N. Y., at its office in the City Hall, until 3 o'clock P. M., Tuesday, September 7, 1915, at which place and time the proposals will be publicly opened and read.

The contract for construction of the stations will include, among other items:

Excavation approximately	15,000 cu. yds.
Embankment approximately	16,000 cu. yds.
Concrete approximately	5,000 cu. yds.

Superstructures for a main pumping station, gate house, tool house and auxiliary automatic pumping station.
Railroad track, storage battery locomotive, electrically operated locomotive crane, Venturi meter, etc.

There will be separate contracts also for the necessary plumbing, heating and ventilating, and electrical wiring and fixtures.

The contract for the equipment of the pumping stations will include among other items, the design, construction, delivery and erection of three 10,000,000-gallon daily, three 15,000,000-gallon daily, and two 1,500,000-gallon daily motor-operated centrifugal pumps, switchboards, suction and discharge piping, etc.

Each proposal must be accompanied by a certified check, as a guarantee for the execution of contract and bond, in amount as follows:

For pumping station construction	$10,000
For pumping station equipment	$10,000
For plumbing	$200
For heating and ventilating	$150
For electrical wiring and fixtures	$250

Plans and specifications may be obtained by addressing Frank R. Lanagan, City Engineer, and depositing $25.00 for each complete set or part thereof. Said deposit will be refunded upon return of the plans and specifications in good condition within two weeks after date of opening of bids.

The Board reserves the right to reject any or all bids.

ISADORE WACHSMAN,
Secretary of the Board.

Bids received until Aug. 18, 1915.

Submerged Outfall Pipe at West 58th Street Sewage Treatment Works

Cleveland, Ohio.

Sealed proposals will be received at the office of the Commissioner of Purchases and Supplies, Room No. 511 City Hall, until 12 o'clock noon, August 18th, 1915, for the construction of a concrete open channel outfall sewer approximately 630 feet in length supported on piling and a submerged outfall pipe line approximately 3600 feet long.

Copies of plans and specifications and blank proposals can be obtained at the office of the Commissioner of Engineering, Room Nos. 403 and 417 City Hall, after August 4th, 1915, upon the deposit of Five ($5.00) Dollars, the same to be refunded upon the return of the plans in good condition.

The proposal must contain the full name of the party or parties making the same and all persons interested therein and must be accompanied by a proposal bond signed by a surety company authorized to do business in the State of Ohio or by a certified check for Five Thousand ($5000.00) Dollars payable to the City of Cleveland on a solvent bank, as a surety that if the bid be accepted a contract will be entered into and the performance of it properly secured.

No proposal will be entertained unless made on the blanks furnished by the Commissioner of Engineering and delivered at the office of the Commissioner of Purchases and Supplies, Room No. 511 City Hall, previous to 12 o'clock M. on the day specified.

The City reserves the right to reject any or all bids.

A. R. CALLOW,
Commissioner of Purchases and Supplies.

U. S. ENGINEER OFFICE, 508 Federal Bldg., Chicago, Ill.—Sealed proposals will be received here until 10 A.M., August 17, 1915, and then opened, for dredging in Calumet River, Ill. Further information on application.

Bids received until Sept. 8, 1915.

Strauss Bascule Trunnion Bridge

Matawan, N. J.

Sealed proposals for the furnishing of all labor, tools and materials for the construction of a Strauss Bascule Trunnion Bridge, over Matawan creek, on the road from South Amboy to Keyport, in the County of Monmouth, State of New Jersey, in accordance with the plans and specifications prepared therefor and heretofore approved by the Board of Chosen Freeholders of the County of Monmouth, State of New Jersey, will be received by the Board of Chosen Freeholders of the County of Monmouth, at their rooms, Court House, Freehold, New Jersey, on Wednesday, September 8th, 1915, at the hour of eleven o'clock in the forenoon of said day, and then and there publicly opened and read.

All proposals must be submitted in a sealed envelope, be endorsed with the name and address of the bidder and the name of the work bid on.

Plans and specifications can be seen on any day, excepting holidays and Sundays, between the hours of nine a.m. and four p.m., at the office of George D. Cooper, County Engineer, 60 Broad St., Red Bank, N. J., at the office of the Clerk of the Board of Chosen Freeholders of the County of Monmouth, Chas. E. Close, 41 Main Street, Matawan, N. J.; and at the office of the Collector of the County of Monmouth, Court House, Freehold, N J., or can be obtained upon application to the Strauss Bascule Trunnion Bridge Company, 104 South Michigan Avenue, Chicago, Ill.

All proposals must be accompanied by a certified cheque, drawn in the sum of five thousand dollars ($5000.00) to the order of the Collector of the County of Monmouth, or a bid bond for said amount of five thousand dollars, given by a surety company authorized to do business in the State of New Jersey, to said Collector.

The Board of Chosen Freeholders of the County of Monmouth reserves the right to reject any or all bids, if deemed to the best interests of the County of Monmouth so to do.

Each bidder must submit with his or their bid a certificate that he or they have visited the location of the proposed work and have made themselves acquainted with the local conditions in connection therewith, and that his or their bid is submitted in strict compliance with the requirements of Chapter 253, Laws of New Jersey, 1913.

No alternate proposal or a proposal on any other plan and specifications other than the plans and specifications heretofore approved by the Board of Chosen Freeholders of the County of Monmouth will be received or considered by the Board of Chosen Freeholders of the County of Monmouth.

Any proposal not complying with the above requirements or the requirements of the specifications as to the submission of bids or proposals will not be considered by the Board of Chosen Freeholders of the County of Monmouth.

No proposal will be received before the hour advertised to receive same, nor will any proposal be received after the hour advertised to receive same.

Dated Freehold, N. J., August 9th, 1915.

J. M. CORLIES, Director.

Attest: C. E. CLOSE, Clerk of Board.

Bids received until Aug. 17, 1915.

Filling and Grading

OFFICE OF THE COMPTROLLER OF THE STATE OF NEW JERSEY

State House, Trenton, N. J.

Sealed proposals for about twenty thousand cubic yards of filling and grading on lands of the State of New Jersey in the rear of the State Capitol, Trenton N. J., will be received at this office at twelve o'clock noon, August 17th, 1915, and then publicly opened.

Plans and specifications on application to the Commissioner of Charities and Corrections, State House, Trenton, N. J.

E. I. EDWARDS, Comptroller,
Secretary, State House Comn.

PROPOSALS FOR AIR COMPRESSORS, ETC.—U. S. Engineer Office, Pittsburgh, Pa.—Sealed proposals for furnishing and installing air compressors, gas engine, turbine, electric light plant, etc., at Lock 6, Monongahela River, will be received at this office until 12 M. (Eastern Standard Time), August 21, 1915, and then opened. Information on application.